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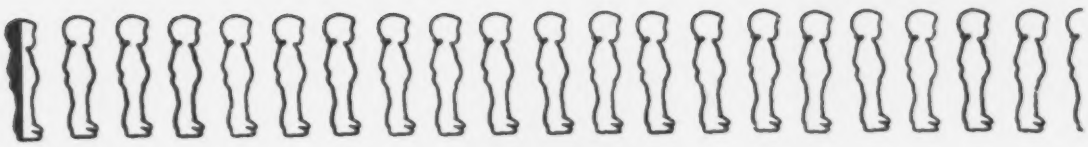

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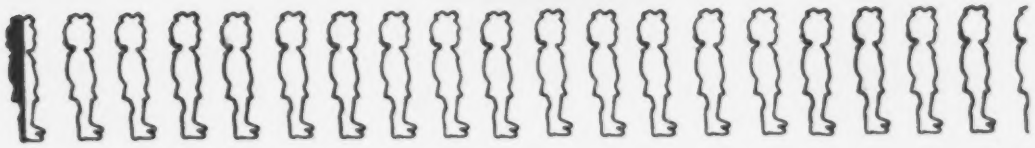

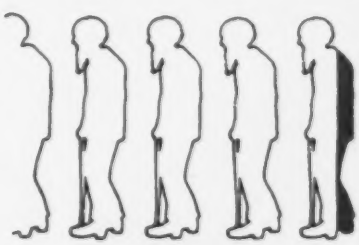

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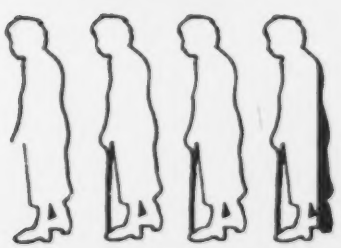

state of utah
department of health
office of management planning
bureau of health statistics

UTAH'S VITAL STATISTICS, ANNUAL REPORT: 1983

NORMAN H. BANGERTER, GOVERNOR
STATE OF UTAH

SUZANNE DANDOY M.D., M.P.H.
EXECUTIVE DIRECTOR

SHELDON B. ELMAN
DEPUTY DIRECTOR

JOHN E. BROCKERT, M.S., M.P.H.
DIRECTOR, BUREAU OF HEALTH STATISTICS

UTAH DEPARTMENT OF HEALTH
OFFICE OF MANAGEMENT PLANNING
BUREAU OF HEALTH STATISTICS
150 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84103

FEBRUARY 1986

THIS REPORT WAS PARTIALLY SUPPORTED BY CONTRACT NUMBER 282-83-2007 AWARDED BY THE U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES IN SUPPORT OF THE VITAL STATISTICS COOPERATIVE PROGRAM OF THE NATIONAL CENTER FOR HEALTH STATISTICS.

PREFACE

This report contains data about vital events experienced by Utah residents in 1983. The source of these data is approximately 50,000 birth and death certificates registered for 1983 in the Bureau of Health Statistics of the Utah Department of Health.

The purpose of this report is to provide needed data for planners, students, researchers, public officials, private business and the general public. Data are presented for the State of Utah, the multi-county districts, and each of their counties. Marriage and divorce statistics are provided as totals in this report. Another report of the Bureau treats them more extensively.

The initial part of this report contains a narrative section with tables and figures to provide some analyses and explanation of these data. This is followed by a section of reference tables with more detailed information. A listing of other available tables appears at the end of the table of contents. These tabulations will be provided upon request to the Bureau. The last section of the report is the Technical Appendix with information on the sources, quality, and limitations of data.

This publication was prepared under the direction of John E. Brockert, Director. The narrative was prepared by Marvin Levy, Deputy Director. Gery E. Moore, Statistician, prepared the statistical tabulations. Nola Hanson prepared the manuscript and tables for printing, prepared the graphics and did final editing.

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DEFINITIONS OF TERMS IN THIS REPORT

This report uses many technical terms, which are defined to aid the reader in the correct interpretation of data.

GENERAL:

NATURAL INCREASE	The excess of births over deaths among residents of an area.
OCCURRENCE, PLACE OF	Data allocated by place where the event occurred (city, county, state), irrespective of the person's place of residence.
RACE	Race for mother, father, or decedent is as reported by the respondent on the certificate. Race of child is determined from the race of the parents. The concept of race used in Utah's vital statistics reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock.
RESIDENCE, PLACE OF	Data allocated by place of residence (city, county, state), irrespective of where the event occurred, e.g. resident live births (or fetal deaths) by place of residence of the infant's mother; resident deaths by place of residence of the decedent.
SPANISH ORIGIN	Spanish origin is self-reported by respondents in terms of parental ancestry. Persons of Spanish origin may be of any race.

BIRTH (NATALITY):

APGAR SCORE:	Criterion for assessing a newborn's well being in the minutes immediately after birth. Evaluates: appearance, pulse, grimace (reflex response to stimulation), activity (muscle tone), and respiration.
BIRTH WEIGHT	The weight of a fetus or infant at time of delivery (usually recorded in grams or pounds and ounces).
GESTATIONAL PERIOD	The number of weeks elapsed between the first day of the last menstrual period and date of delivery.
LIVE BIRTH	The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after separation, shows evidence of life.
LIVE BIRTH ORDER	Order number is equal to number of previous live births plus current birth.

LOW BIRTH WEIGHT	A live birth weighing less than 5 pounds 8 ounces (2,500 grams), regardless of the length of gestation (formerly referred to as premature birth).
OUT-OF-WEDLOCK BIRTHS	Births which occur when the mother has not married at any time during the pregnancy.
EXPECTED YEARS OF LIFE LOST	A life table is constructed which provides normal life expectancy according to a person's age. As males and females have different life expectancies, expected years of life are computed separately for each sex, as well as by cause of death. The difference between the normal life expectancy and the actual age at death is the number of expected years of life lost.
FETAL DEATH (OR STILLBIRTH)	Death prior to the complete expulsion or extraction from its mother of a product of human conception irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not show evidence of life. Consistent with Utah law, this report includes only fetal deaths which result from pregnancies of 20 or more weeks gestation.
INFANT DEATH	Death of a live born infant less than one year (365 days) of age. Infant deaths equal the sum of neonatal plus postneonatal deaths.
MATERNAL DEATH	Death of the mother attributable to complications of pregnancy, childbirth, or the puerperium.
NEONATAL DEATH	Death occurring to an infant less than 28 days of age.
PERINATAL DEATH	The sum of fetal deaths plus neonatal deaths.
POSTNEONATAL DEATH	Death of a live born infant between 28 days and less than one year (365 days) of age.
WORKING YEARS OF LIFE LOST	Working years of life are defined as the ages 15-64 years. Persons who die before 65 years of age are considered to have lost the number of working years between their age at death and 65. Persons who die at less than 15 years are defined as having lost 50 working years of life. Working years of life lost are computed separately for males and females and by cause of death.

RATES AND RATIOS:

(CRUDE) BIRTH RATE	The number of resident live births divided by the total residence population x 1,000.

GENERAL FERTILITY RATE	The number of resident live births divided by the total female population, 15-44 years of age x 1,000.
AGE-SPECIFIC FERTILITY RATE	The number of resident live births in a specific age group divided by the total number of resident females in that specific age group x 1,000.
OUT-OF-WEDLOCK BIRTH RATE	The number of out-of-wedlock, resident live births divided by the total number of life births x 1,000.
LOW BIRTH WEIGHT PERCENTAGE	The number of resident low birth weight infants divided by the total resident live births x 100.
(CRUDE) DEATH RATE	The number of resident deaths divided by the total resident population x 1,000.
AGE-SPECIFIC DEATH RATE	The number of resident deaths in a specific age group divided by the total resident population in that specific age group x 100,000.
CAUSE-SPECIFIC DEATH RATE	The number of resident deaths due to a specific cause divided by the total resident population x 100,000.
AGE-SPECIFIC DEATH RATE BY CAUSE OF DEATH	The number of resident deaths in a specific age group from a specific cause divided by the total resident population in that specific age group x 100,000.
MATERNAL MORTALITY RATE	The number of resident maternal deaths divided by the total resident live births x 100,000.
INFANT MORTALITY RATE	The number of resident infant deaths divided by the total resident live births x 1,000.
NEONATAL DEATH RATE	The number of resident neonatal deaths divided by the total number of resident live births x 1,000.
PERINATAL DEATH RATE	The number of resident perinatal deaths divided by the total number of fetal deaths plus resident live births x 1,000.
POSTNEONATAL DEATH RATE	The number of resident postneonatal deaths divided by the total number of resident live births x 1,000.
FETAL DEATH RATE	The number of resident fetal deaths divided by the total resident live births plus the resident fetal deaths x 1,000.
FETAL DEATH RATIO	The number of resident fetal deaths divided by the total resident live births x 1,000.

SYMBOLS

Quantity (frequency) is zero	--
Percentage or rate equals zero	0.0
Percentage or rate is not applicable	footnote
Data not available	N.A.

INTRODUCTION

AN OVERVIEW OF UTAH'S VITAL STATISTICS, 1983

The census of Utah's population on April 1, 1980, was 1,461,037 persons. The estimated population on July 1, 1983 was 1,587,000 persons. The July 1, estimate is an increase of 4.0 percent over the estimated population of 1,526,000 for July 1, 1982. During the same period of time, the United States population increased by 1.0 percent.

There were 39,441 live births recorded to Utah residents for a crude birth rate of 24.8 live births per 1,000 population. The birth rate nationally was 15.5[a]. The fertility rate, a more precise measure than the crude birth rate, was 109.8 live births per 1,000 females 15-44 years of age in Utah. Nationally, the fertility rate was 65.4.

There were 8,484 Utah resident deaths resulting in a mortality rate of 5.3 deaths per 1,000 population, two percent lower than 1982. The corresponding rates for the United States were 8.6 in both 1982 and 1983.

Three hundred forty-four Utah infants died during their first year of life in 1983, for an infant mortality rate of 8.7 infant deaths per 1,000 live births. The corresponding rate nationally, 11.2, was the lowest infant mortality rate ever recorded at the national level. The neonatal mortality rate in Utah was 5.3 deaths per 1,000 live births. This rate was 22 percent lower than the rate of 6.8 in 1982. The neonatal mortality rate nationally was 7.3, a decrease of more than two percent from the rate of 7.6 in 1982. The postneonatal mortality rate in Utah, deaths from 28 days through the first year, was 3.4 per 1,000 live births, a decrease of more than 19 percent from the rate of 4.2 in 1982; however, nationally, this rate increased from 3.8 in 1982 to 3.9 in 1983.

There were 280 stillbirths to Utah residents, representing a fetal mortality ratio of 7.1 fetal deaths per 1,000 live births, an increase of over nine percent in the ratio from 1982. The fetal mortality ratio nationally was 8.5 per thousand live births in 1983.

---

[a]All rate comparisons with the United States are for 1983, unless otherwise stated.

There were 18,437 marriages performed and 8,525 divorces and annulments granted in Utah during 1983. This gave Utah marriage and divorce rates of 11.6 and 5.4 per 1,000 population, respectively. More detailed data for previous years will be found in the annual report, Utah Marriage and Divorce, 1980-1982, published by this bureau. Historical trends in Utah's population and vital events are summarized in Tables 1 and 2 and Figures 1-5.

FIGURE 1
ESTIMATED RESIDENT POPULATION
JULY 1, EACH YEAR: UTAH, 1944-1983

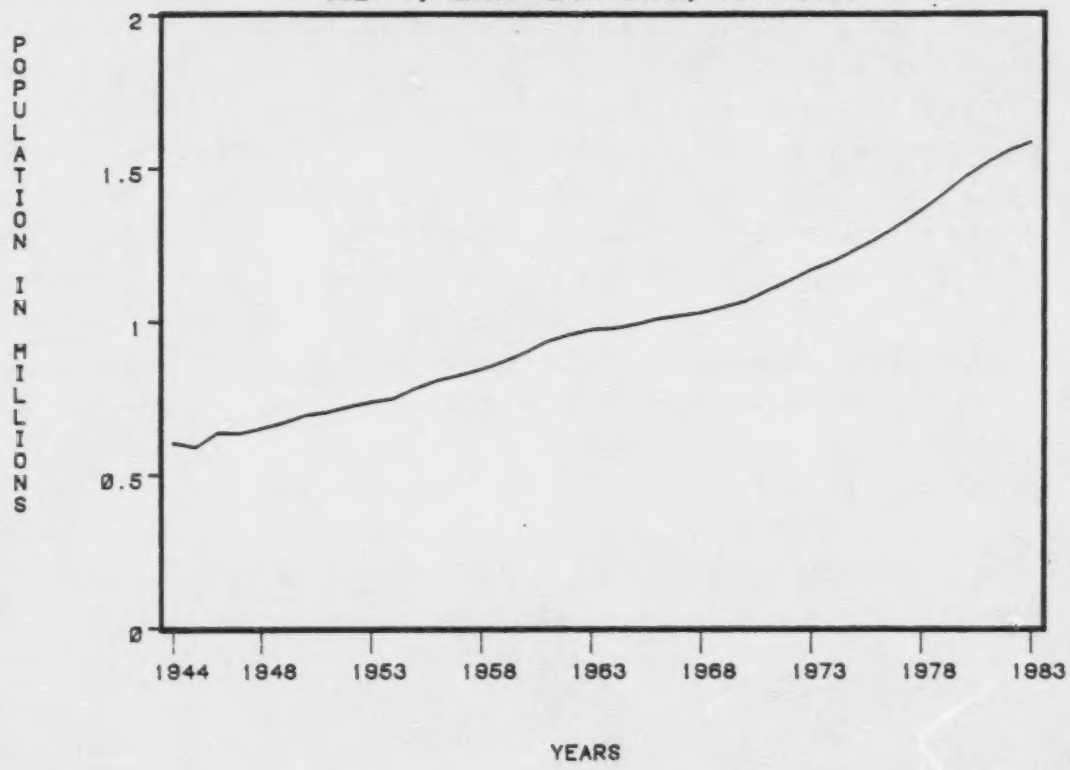

Table 3 shows the intercensal population estimates of Utah and its counties for the period July 1, 1980 through July 1, 1983, as well as the census on April, 1, 1980. The estimates for 1983 have been adopted by the Utah Census Data Center as the official population estimates for Utah State government and are used for all analyses in this report.

TABLE 1

STATISTICAL SUMMARY, ESTIMATED MIDYEAR POPULATION, LIVE BIRTHS, DEATHS
DIVORCES AND ANNULMENTS: UTAH, 1935-1983

	ESTIMATED[1] MIDYEAR POPULATION	LIVE BIRTHS	DEATHS	MATERNAL DEATHS	INFANT DEATHS	FETAL DEATHS	MARRIAGES	DIVORCES AND ANNULMENTS
1983	1,587,000	39,441	8,484	0	344	280	18,437	8,525
1982	1,560,000	41,537	8,502	5	457	272	18,705	8,413
1981	1,520,000	41,286	8,263	1	403	316	18,346	8,259
1980	1,474,000	41,786	8,103	3	435	302	17,079	7,957
1979	1,416,000	41,078	7,871	6	438	317	16,713	7,594
1978	1,364,000	38,911	7,871	2	443	283	16,489	7,175
1977	1,316,000	37,956	7,612	4	381	318	15,098	6,947
1976	1,272,000	35,310	7,472	7	414	275	14,693	6,170
1975	1,234,000	31,667	7,519	6	415	257	14,858	6,131
1974	1,197,000	29,946	7,380	2	364	286	15,164	5,670
1973	1,169,000	27,978	7,573	5	354	219	14,840	5,137
1972	1,135,000	26,911	7,323	12	360	263	13,911	4,876
1971	1,101,000	27,552	7,245	2	382	258	12,497	4,419
1970	1,066,000	26,969	7,063	6	405	298	11,938	3,912
1969	1,047,000	24,232	6,791	4	382	238	11,633	3,841
1968	1,029,000	23,193	6,882	3	410	240	11,558	3,390
1967	1,019,000	22,948	6,516	3	383	241	10,220	3,288
1966	1,009,000	22,601	6,850	5	414	222	9,623	3,090
1965	991,000	22,261	6,672	5	419	224	8,736	2,872
1964	978,000	23,844	6,404	3	482	237	8,525	2,895
1963	974,000	24,952	6,544	4	464	288	8,194	2,659
1962	958,000	26,213	6,325	9	525	290	7,651	2,480
1961	936,000	26,590	6,081	7	538	263	7,401	2,360
1960	900,000	26,272	5,997	5	517	276	7,119	2,167
1959	870,000	25,645	5,879	10	514	321	6,734	2,179
1958	845,000	25,384	5,809	10	564	325	6,600	2,002
1957	826,000	26,064	5,696	8	561	317	6,672	1,565
1956	809,000	24,971	5,224	7	571	320	6,657	2,189
1955	783,000	24,602	5,092	7	507	330	6,294	2,059
1954	750,000	24,305	4,992	6	506	325	6,295	2,140
1953	739,000	23,583	5,084	5	565	301	6,926	2,433
1952	724,000	23,732	5,188	11	590	313	6,752	2,331
1951	706,000	22,769	4,895	10	565	276	6,843	2,271
1950	696,000	21,192	4,974	7	506	256	7,110	2,107
1949	671,000	21,164	4,929	5	527	297	6,402	2,166
1948	653,000	20,714	5,070	12	550	298	7,327	2,199
1947	636,000	21,724	4,996	17	545	303	7,965	2,927
1946	638,000	18,220	4,785	25	496	293	9,781	3,434
1945	591,000	15,680	4,859	21	488	268	7,034	2,651
1944	605,000	16,043	4,727	22	548	248	6,262	2,995
1943	631,000	16,940	4,713	27	539	275	6,705	1,982
1942	575,000	15,520	4,622	27	522	281	6,081	1,433
1941	551,000	13,227	4,347	26	402	268	7,263	1,360
1940	554,000	13,347	4,845	36	539	253	8,254	1,500
1939	543,000	13,007	4,712	40	544	278	([3])	([3])
1938	535,000	13,214	4,853	40	610	280	([3])	([3])
1937	529,000	12,693	4,989	42	525	262	([3])	([3])
1936	527,000	12,551	5,126	55	661	255	([3])	([3])
1935	526,000	12,695	5,066	59	625	274	([3])	([3])

[1]THE POPULATION ESTIMATES FOR 1935-1959 WERE REVISED TO AGREE WITH U.S. CENSUS ESTIMATES IN, UTAH VITAL STATISTICS ANNUAL REPORT, 1977; WHILE THE ESTIMATES FOR 1971-1979 HAVE BEEN REVISED IN THIS ISSUE TO AGREE WITH THE UTAH POPULATION WORK COMMITTEE ESTIMATES. BOTH WILL NOT AGREE WITH PRIOR REPORTS IN THIS SERIES.

[2]RESIDENT LIVE BIRTHS AND DEATHS HAVE BEEN REVISED TO AGREE WITH EARLIER RECORDS OF THE DEPARTMENT OF HEALTH, AS FOLLOWS: BIRTHS 1941-1944, 1948-1956; AND, DEATHS 1941-1944; 1949-1956.

[3]INFORMATION NOT AVAILABLE.

TABLE 2

LIVE BIRTHS, DEATHS, NATURAL INCREASE, FETAL DEATHS, INFANT DEATHS, MARRIAGE DIVORCE AND ANNULMENT RATES: UTAH AND UNITED STATES, 1950-1983

YEAR	BIRTH		DEATH		NATURAL INCREASE		SPONTANEOUS FETAL DEATH		INFANT DEATH		MARRIAGE		DIVORCE AND ANNULMENT	
	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.
1983	24.8	15.5	5.3	8.6	19.5	6.9	7.1	8.5	8.7	11.2	11.6	10.5	5.4	5.0
1982	26.6	16.0	5.5	8.6	21.1	7.4	6.5	8.9	11.0	11.5	11.8	10.8	5.4	5.1
1981	27.2	15.9	5.4	8.7	21.7	7.2	7.7	9.0	9.8	11.9	12.1	10.6	5.4	5.3
1980	28.3	15.8	5.5	8.7	22.8	7.1	7.2	9.2	10.4	12.6	11.6	10.6	5.4	5.2
1979	29.0	15.6	5.6	8.5	23.4	7.1	7.7	9.5	10.7	13.1	11.8	10.4	5.4	5.3
1978	28.5	15.0	5.8	8.7	22.7	6.3	7.3	9.7	11.4	13.8	12.1	10.3	5.3	5.1
1977	28.8	15.1	5.8	8.6	23.0	6.5	8.4	9.9	10.0	14.1	11.4	9.9	5.3	5.0
1976	27.8	14.6	5.9	8.8	21.9	5.8	7.8	10.5	11.7	15.2	11.5	9.9	4.9	5.0
1975	25.7	14.6	6.1	8.8	19.6	5.8	8.1	10.7	13.1	16.1	12.0	10.0	5.0	4.8
1974	25.0	14.8	6.2	9.1	18.8	5.7	9.6	11.5	12.2	16.7	12.7	10.5	4.7	4.6
1973	23.9	14.8	6.5	9.3	17.4	5.5	7.8	12.2	12.7	17.7	12.7	10.8	4.4	4.3
1972	23.7	15.6	6.5	9.4	17.2	6.2	9.8	12.7	13.4	18.5	12.2	11.0	4.3	4.0
1971	25.0	17.2	6.6	9.3	18.4	7.9	9.4	13.4	13.9	19.1	11.3	10.6	4.0	3.7
1970	25.3	18.7	6.6	9.5	18.7	9.2	11.0	14.2	15.0	20.0	11.2	10.7	3.7	3.5
1969	23.1	17.8	6.5	9.5	16.6	8.3	9.8	14.1	15.8	20.9	11.1	10.6	3.7	3.2
1968	22.5	17.5	6.7	9.7	15.8	7.8	10.3	15.8	17.7	21.8	11.2	10.4	3.3	2.9
1967	22.5	17.8	6.4	9.4	16.1	8.4	10.5	15.6	16.7	22.4	10.0	9.7	3.2	2.6
1966	22.4	18.4	6.8	9.5	15.6	8.9	9.8	15.7	18.3	23.7	9.5	9.4	3.1	2.5
1965	22.5	19.4	6.7	9.4	15.8	10.0	10.1	16.2	18.8	24.7	8.8	9.3	2.9	2.5
1964	24.4	21.0	6.5	9.4	17.9	11.6	9.9	16.4	20.2	24.8	8.7	9.0	3.0	2.4
1963	25.6	21.7	6.7	9.5	18.9	12.2	11.5	15.8	18.6	25.2	8.4	8.8	2.7	2.3
1962	27.4	22.4	6.6	9.4	20.8	13.0	11.1	15.9	20.0	25.3	8.0	8.5	2.6	2.2
1961	28.4	23.3	6.5	9.3	21.9	14.0	9.9	16.1	20.2	25.3	7.9	8.5	2.5	2.3
1960	29.2	23.7	6.7	9.5	22.5	14.2	10.5	16.1	19.7	26.0	7.9	8.5	2.4	2.2
1959	29.5	24.0	6.8	9.3	22.7	14.7	12.5	16.2	20.0	26.4	7.7	8.5	2.5	2.2
1958	30.0	24.3	6.9	9.4	23.1	14.9	12.8	16.5	22.2	27.1	7.8	8.4	2.4	2.1
1957	31.6	25.0	6.9	9.5	24.7	15.5	12.2	16.3	21.5	26.3	8.1	8.9	1.9	2.2
1956	30.9	24.9	6.5	9.3	24.4	15.6	12.8	16.5	22.9	26.0	8.2	9.5	2.7	2.3
1955	31.4	24.6	6.5	9.2	24.9	15.4	13.4	17.1	20.6	26.4	8.0	9.3	2.6	2.3
1954	32.4	24.9	6.7	9.1	25.7	15.8	13.4	17.5	20.8	26.6	8.4	9.2	2.9	2.4
1953	31.9	24.7	6.9	9.4	25.0	15.3	12.8	17.8	24.0	27.8	9.4	9.8	3.3	2.5
1952	32.8	24.7	7.2	9.4	25.6	15.3	13.2	18.3	24.9	28.4	9.3	9.9	3.2	2.5
1951	32.2	24.5	6.9	9.5	25.3	15.0	12.2	18.8	24.9	28.4	9.7	10.4	3.2	2.5
1950	30.4	23.6	7.1	9.5	23.3	14.1	12.1	19.2	23.9	29.2	10.2	11.1	3.0	2.6

NOTE: RESIDENT BIRTH, DEATH, MARRIAGE AND DIVORCE RATES ARE PER 1,000 POPULATION. THE INFANT MORTALITY RATE AND SPONTANEOUS FETAL DEATH RATIO ARE PER 1,000 RESIDENT LIVE BIRTHS. N.A. = NOT AVAILABLE.

FIGURE 2
CRUDE BIRTH RATES:
UTAH AND UNITED STATES, 1950-1983

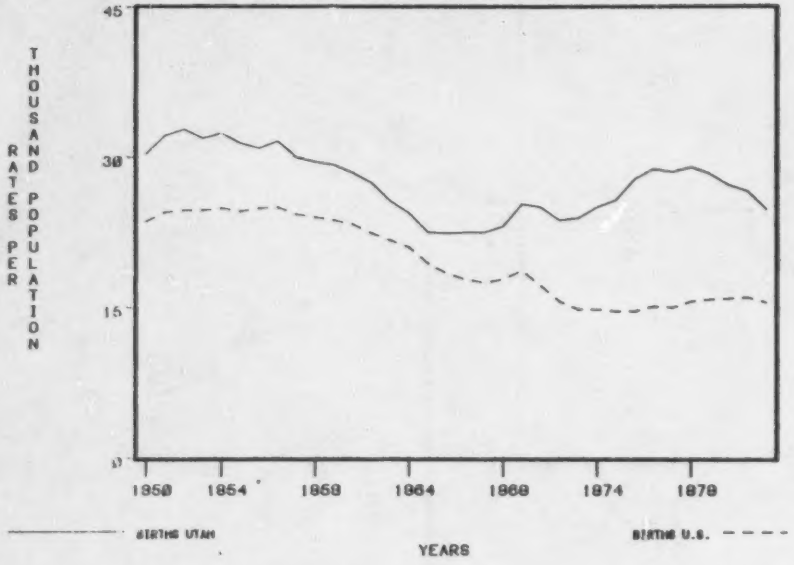

FIGURE 3
CRUDE DEATH RATES:
UTAH AND UNITED STATES, 1950-1983

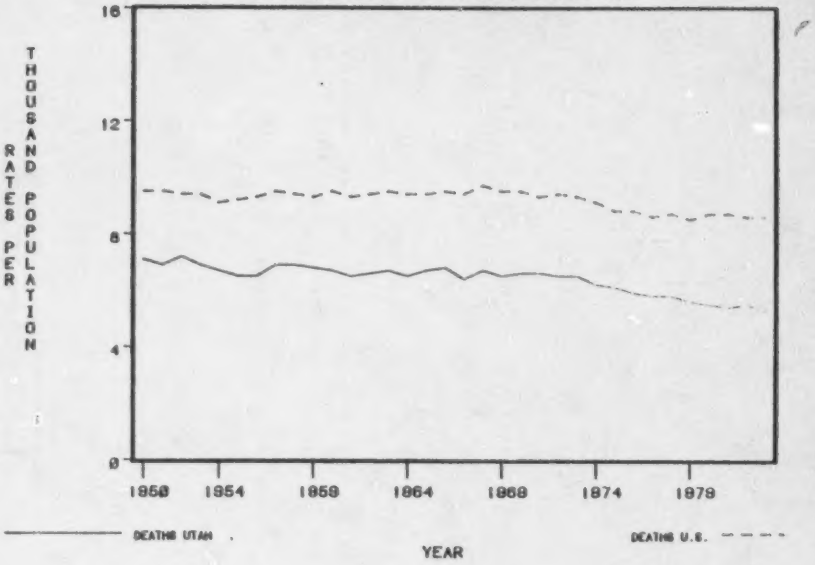

FIGURE 4
RATE OF NATURAL INCREASE:
UTAH AND THE UNITED STATES, 1950-1983

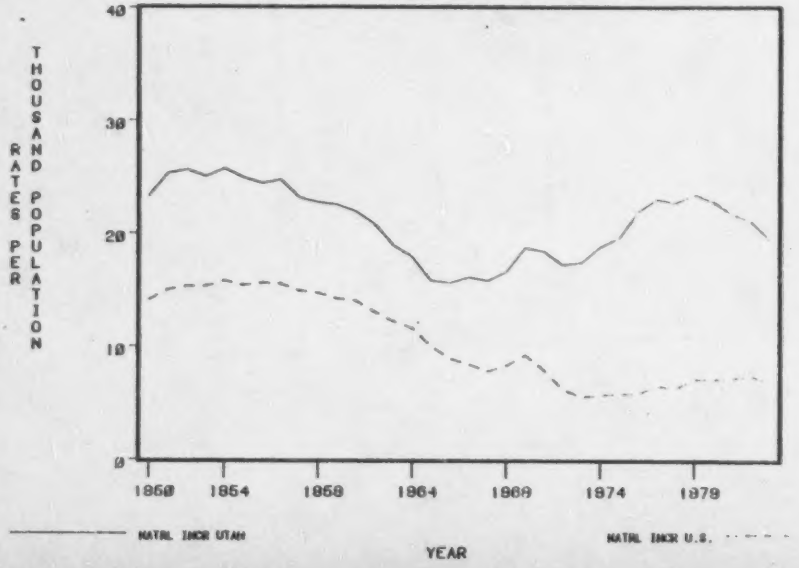

FIGURE 5
INFANT MORTALITY RATES:
UTAH AND UNITED STATES, 1950-1983

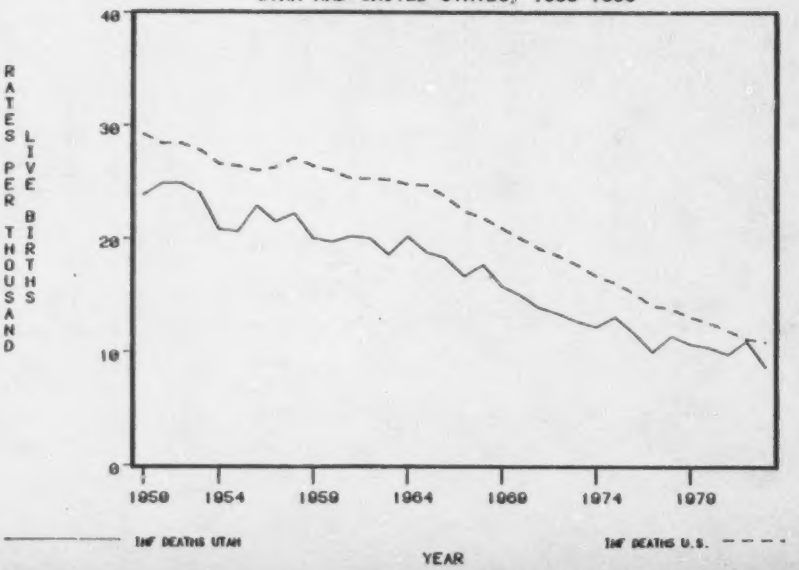

FIGURE 6

MULTI-COUNTY PLANNING DISTRICTS AND COUNTIES: UTAH, 1983

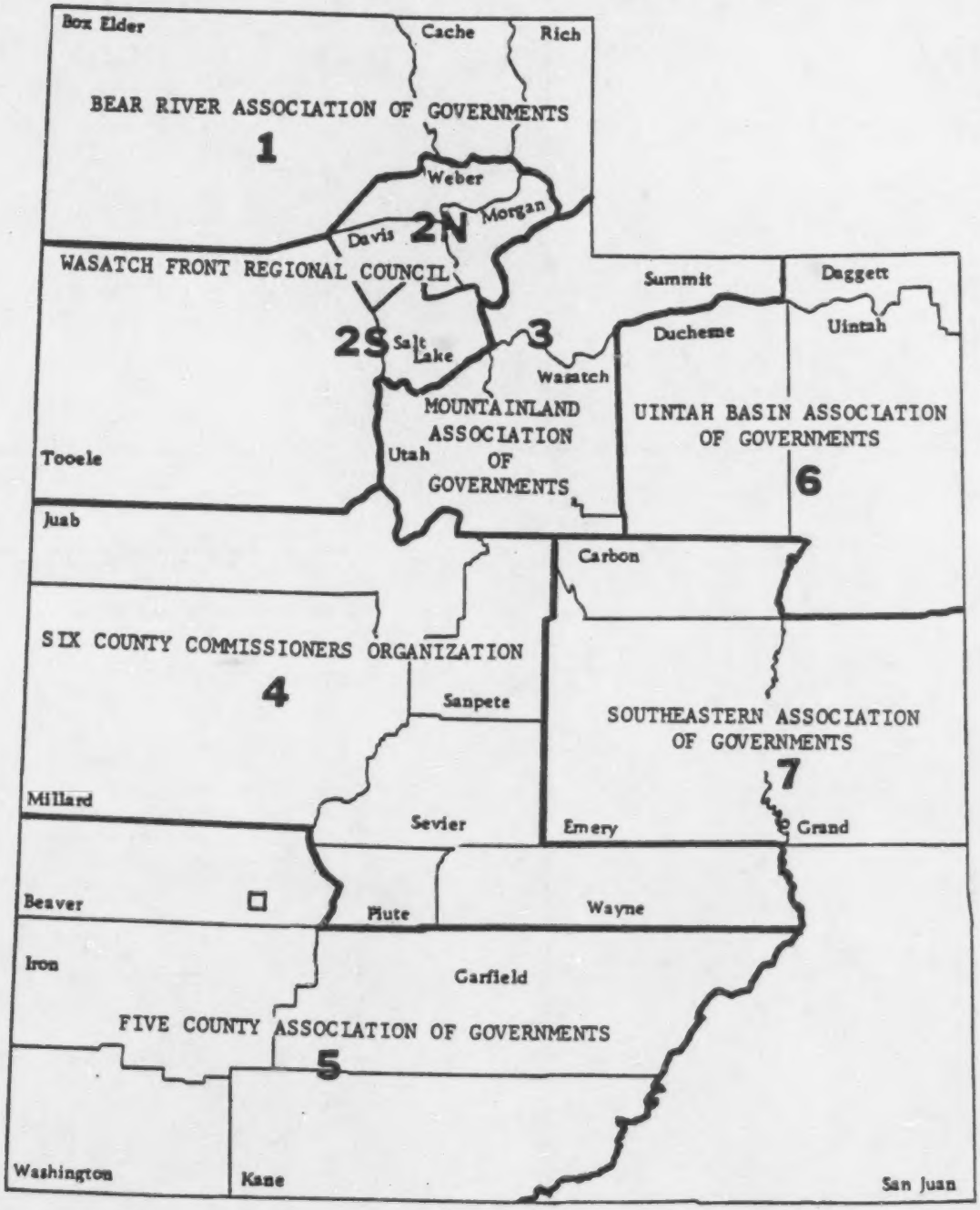

TABLE 3

CENSUS OF POPULATION AND INTERCENSAL ESTIMATES BY COUNTY: UTAH, APRIL 1, 1980, JULY 1, 1980-1983

DISTRICT AND COUNTY	APRIL 1, 1980 CENSUS	REVISED ESTIMATE 1980	REVISED ESTIMATE 1981	REVISED ESTIMATE 1982	PRELIMINARY ESTIMATE 1983
STATE TOTAL	1,461,037	1,474,000	1,520,000	1,560,000	1,587,000
DISTRICT 1	92,498	83,350	96,350	99,500	101,500
BOX ELDER	33,222	33,500	34,100	34,900	35,100
CACHE	57,176	57,700	60,000	62,200	64,100
RICH	2,100	2,150	2,250	2,400	2,300
DISTRICT 2N	296,073	298,250	307,100	314,000	319,450
DAVIS	146,540	147,900	154,000	157,800	161,000
MORGAN	4,917	4,950	5,100	5,200	5,250
WEBER	144,616	145,400	148,000	151,000	153,500
DISTRICT 2S	645,099	650,700	667,900	681,800	691,200
SALT LAKE	619,066	624,500	641,000	655,000	664,000
TOOELE	26,033	26,200	26,900	26,800	27,200
DISTRICT 3	236,827	239,400	248,800	255,600	260,750
SUMMIT	10,198	10,350	11,000	11,400	11,700
UTAH	218,106	220,400	229,000	235,500	240,000
WASATCH	8,523	8,650	8,800	8,700	9,050
DISTRICT 4	47,087	47,500	49,150	51,650	53,150
JUAB	5,530	5,550	5,600	5,800	5,850
MILLARD	8,970	9,050	9,600	10,400	11,300
PIUTE	1,329	1,350	1,400	1,400	1,450
SANPETE	14,620	14,750	15,400	16,400	16,700
SEVIER	14,727	14,850	15,200	15,600	15,700
WAYNE	1,911	1,950	1,950	2,050	2,150
DISTRICT 5	55,489	56,000	58,150	60,700	62,400
BEAVER	4,378	4,400	4,600	4,750	4,950
GARFIELD	3,673	3,700	3,700	3,850	3,900
IRON	17,349	17,450	18,000	18,300	18,700
KANE	4,024	4,050	3,950	4,200	4,350
WASHINGTON	26,065	26,400	27,900	29,600	30,500
DISTRICT 6	33,840	34,100	36,050	38,450	40,150
DAGGETT	769	750	850	850	750
DUCHESNE	12,565	12,650	13,100	13,600	14,300
UINTAH	20,506	20,700	22,100	24,000	25,100
DISTRICT 7	54,124	54,650	56,400	58,300	58,100
CARBON	22,179	22,350	23,200	24,600	24,300
EMERY	11,451	11,650	12,100	12,900	13,000
GRAND	8,241	8,250	8,400	8,100	7,900
SAN JUAN	12,153	12,400	12,700	12,700	12,900

NOTE: THE ESTIMATES WERE MADE BY THE UTAH POPULATION ESTIMATES COMMITTEE FOR THE STATE OFFICE OF PLANNING AND BUDGET.

Utah's 29 counties are divided into 8 multi-county planning regions. The map in Figure 6 depicts these county groupings. Table 4 summarizes the number, rates and ratios of resident vital events, i.e., live births; deaths; infant deaths and fetal deaths; induced abortions; by district and county in Utah for 1983. In counties with more than 100 resident live births, Duchesne County had the highest crude birth rate, 31.4 live births per 1,000 population; Emery was second, 30.5; Utah County was third, 29.6; Uintah was fourth, 29.3; and Cache was fifth, 28.6. Morgan, with 103 resident live births and Tooele counties had the lowest birth rates, 19.6 and 20.1, respectively.

More than three-quarters of Utah's population live in the counties along the Wasatch Front (Davis, Salt Lake, Utah, and Weber) within a 50-mile radius of Salt Lake City. Although the Wasatch Front contains more than 1.2 million people, Utah basically is a rural state. In fact, Popper has suggested that some states including Utah continue to have the characteristics of the frontier territories of the late 1800s.[1]

Table 5 shows the counties categorized according to Popper's definitions: (1) "frontier" counties with less than two persons per square mile; and (2) "borderland" counties with from two to less than six persons per square mile. We have extended his definitions as follows, "rural" counties with six to less than 100 persons per square mile; and "urban" counties with 100 or more persons per square mile.

This categorization, based on population density, has implications for the quality of health care available and health outcomes, e.g., infant and fetal mortality, low-weight births, total mortality between the less populated frontier areas to the more densely populated urban areas.

The results of these analyses, Tables 6 through 8, are equivocal. There does not appear to be a linear relationship between any of the variables and the four land areas, frontier, borderland, rural and urban. Although the highest mortality rate occurred in the frontier area, 6.8 per thousand

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[1]Popper, Frank J., "The Strange Case of the Contemporary American Frontier." Working papers in planning, City and Regional Planning Department, Cornell University, Ithaca, New York, September 1984.

TABLE 4

STATISTICAL SUMMARY, ESTIMATED MIDYEAR POPULATION, LIVE BIRTHS, DEATHS, INDUCED ABORTIONS INFANT DEATHS, AND FETAL DEATHS BY DISTRICT AND COUNTY OF RESIDENCE: UTAH, 1983

DISTRICT AND COUNTY	ESTIMATED MIDYEAR POPULATION	LIVE BIRTHS		DEATHS		INDUCED ABORTIONS		INFANT DEATHS		FETAL DEATHS	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATIO	NUMBER	RATE	NUMBER	RATIO
STATE TOTAL	1,587,000	39,441	24.9	8,484	5.3	3,587	90.9	344	8.7	270	6.8
DISTRICT 1	101,500	2,779	27.4	512	5.0	158	56.9	19	6.8	6	—
BOX ELDER	35,100	868	24.7	194	5.5	40	46.1	3	—	2	—
CACHE	64,100	1,831	28.6	309	4.8	115	62.8	15	8.2	4	—
RICH	2,300	80	34.8	9	3.9	3	—	1	—	—	—
DISTRICT 2N	319,750	7,383	23.1	1,632	5.1	687	93.1	64	8.7	56	7.6
DAVIS	161,000	3,922	24.4	609	3.8	265	67.6	33	8.4	26	6.6
MORGAN	5,250	103	19.6	24	4.6	1	—	—	—	1	—
WEBER	153,500	3,358	21.9	999	6.5	421	125.4	31	9.2	29	8.6
DISTRICT 2S	691,200	16,247	23.5	3,794	5.5	2,283	140.5	153	9.4	114	7.0
SALT LAKE	664,000	15,699	23.6	3,640	5.5	2,222	141.5	148	9.4	110	7.0
TOOELE	27,200	548	20.1	154	5.7	61	111.3	5	—	4	—
DISTRICT 3	260,750	7,578	29.1	1,167	4.5	258	34.0	59	7.8	53	7.0
SUMMIT	11,700	268	22.9	46	3.9	66	246.3	1	—	—	—
UTAH	240,000	7,111	29.6	1,064	4.4	182	25.6	57	8.0	49	6.9
WASATCH	9,050	199	22.0	57	6.3	10	50.3	1	—	4	—
DISTRICT 4	53,150	1,289	24.3	412	7.8	37	28.7	13	10.1	11	8.5
JUAB	5,850	135	23.1	41	7.0	4	—	—	—	1	—
MILLARD	11,300	292	25.8	89	7.9	10	34.2	5	—	2	—
PIUTE	1,450	27	18.6	19	13.1	—	—	1	—	—	—
SANPETE	16,700	411	24.6	131	7.8	9	21.9	3	—	3	—
SEVIER	15,700	368	23.4	120	7.6	11	29.9	4	—	5	—
WAYNE	2,150	56	26.0	12	5.6	3	—	—	—	—	—
DISTRICT 5	62,400	1,533	24.6	420	6.7	11	7.2	11	7.2	12	7.8
BEAVER	4,950	115	23.2	46	9.3	1	—	—	—	1	—
GARFIELD	3,900	102	26.2	23	5.9	3	—	—	—	1	—
IRON	18,700	450	24.1	90	4.8	5	—	5	—	2	—
KANE	4,350	110	25.3	28	6.4	—	—	1	—	—	—
WASHINGTON	30,500	756	24.8	233	7.6	2	—	5	—	8	10.6
DISTRICT 6	40,150	1,202	29.9	205	5.1	61	50.7	14	11.6	7	5.8
DAGGETT	750	18	24.0	3	—	—	—	—	—	—	—
DUCHESNE	14,300	449	31.4	85	5.9	21	46.8	9	20.0	2	—
UINTAH	25,100	735	29.3	117	4.7	40	54.4	5	—	5	—
DISTRICT 7	58,100	1,430	24.6	342	5.9	81	56.6	11	7.7	11	7.7
CARBON	24,300	518	21.3	162	6.7	33	63.7	5	—	4	—
EMERY	13,000	396	30.5	69	5.3	14	35.4	3	—	3	—
GRAND	7,900	190	24.1	47	5.9	21	110.5	—	—	2	—
SAN JUAN	12,900	326	25.3	64	5.0	13	39.9	3	—	2	—

NOTE: THE RATES FOR LIVE BIRTHS ARE BASED ON THE NUMBER PER 1,000 POPULATION; WHILE THE RATES FOR INFANT DEATHS ARE PER 1,000 LIVE BIRTHS. THE RATIOS FOR INDUCED ABORTIONS AND FETAL DEATHS ARE BASED ON THE NUMBER PER 1,000 LIVE BIRTHS. RATES AND/OR RATIOS ARE NOT COMPUTED FOR FEWER THAN SEVEN EVENTS. THE INDUCED ABORTION TOTAL INCLUDES ELEVEN UTAH OCCURRENCES WITH "COUNTY OF RESIDENCE NOT STATED;" AND THERE WERE 70 OCCURRENCES IN COLORADO TO RESIDENTS OF UTAH.

TABLE 5

POPULATION DENSITY BY LAND AREAS (FRONTIER, BORDERLAND RURAL AND URBAN) AND COUNTIES: UTAH, 1983

DISTRICT AND COUNTY	LAND AREA (SQ. MI.)	ESTIMATED POPULATION 7/1/83	POPULATION PER SQ. MI.
TOTAL	82,076	1,587,000	19.3
FRONTIER	33,490	47,600	1.4
GARFIELD	5,148	3,900	0.8
WAYNE	2,461	2,150	0.9
KANE	3,898	4,350	1.1
DAGGETT	699	750	1.1
JUAB	3,396	5,850	1.7
MILLARD	6,818	11,300	1.7
SAN JUAN	7,725	12,900	1.7
PIUTE	759	1,450	1.9
BEAVER	2,586	4,950	1.9
BORDERLAND	27,106	108,500	4.0
GRAND	3,689	7,900	2.1
RICH	1,034	2,300	2.2
EMERY	4,449	13,000	2.9
TOOELE	6,919	27,200	3.9
DUCHESNE	3,234	14,300	4.4
UINTAH	4,479	25,100	5.6
IRON	3,302	18,700	5.7
RURAL	17,841	212,400	11.9
BOX ELDER	5,614	35,100	6.3
SUMMIT	1,865	11,700	6.3
WASATCH	1,191	9,050	7.6
SEVIER	1,910	15,700	8.2
MORGAN	603	5,250	8.7
SANPETE	1,586	16,700	10.5
WASHINGTON	2,422	30,500	12.6
CARBON	1,479	24,300	16.4
CACHE	1,171	64,100	54.7
URBAN	3,639	1,218,500	334.8
UTAH	2,018	240,000	118.9
WEBER	566	153,500	271.2
DAVIS	299	161,000	538.5
SALT LAKE	756	664,000	878.3

population, the borderland area had a lower rate, 5.3, compared with the rural area, 6.0, Table 6. As expected, the urban area had the lowest rate, 5.2 per thousand population, but this was not much lower than the rate in the borderlands.

Table 7 summarizes the results for infant mortality which includes neonatal and postneonatal mortality. The borderland area had the highest infant mortality rate, 9.8 per 1,000 live births, compared with the urban area, second highest, 8.9, the frontier area, 8.5, and the rural area, the lowest, 7.0. The number of infant deaths in the three areas other than the urban are relatively small and are subject to variation from year to year.

Table 8 contains data for several pregnancy outcome variables. The rural counties had the lowest fetal mortality ratio, 5.8 per 1,000 live births, but was closely followed by the frontier area, 5.9, and the borderland area, 6.3. The urban counties, with 7.1 fetal deaths, was the highest of any of these land areas.

The lowest rate of low weight births, less than 2,500 grams, occurred in the frontier area, 39.8 per 1,000 live births; while the highest was in the borderland area, 58.3. The urban counties had the second highest with 57.0 low weight births per 1,000 live births.

Although the rural counties had the lowest rate of out-of-wedlock births, 47.0 per thousand live births, the highest and second highest were the frontier and borderland areas with 94.8 and 85.0, respectively.

The lowest abortion ratio was in the frontier area, 28.8 per thousand live births, followed by the rural area, 53.9, the borderland area, 57.9, and the highest, the urban area, 102.7.

TABLE 6

POPULATION, LIVE BIRTHS AND DEATHS BY LAND AREAS
(FRONTIER, BORDERLAND, RURAL AND URBAN)
RESIDENTS: UTAH, 1983

LAND AREAS	POPULATION 7/1/83	LIVE BIRTHS NUMBER	LIVE BIRTHS RATE	DEATHS NUMBER	DEATHS RATE
TOTAL	1,587,000	39,441	24.9	8,484	5.3
FRONTIER COUNTIES	47,600	1,181	24.8	325	6.8
BORDERLAND COUNTIES	108,500	2,848	26.2	571	5.3
RURAL COUNTIES	212,400	5,322	25.1	1,276	6.0
URBAN COUNTIES	1,218,500	30,090	24.7	6,312	5.2

NOTE: RATES ARE PER 1,000 POPULATION.

TABLE 7

INFANT MORTALITY (TOTAL, NEONATAL AND POSTNEONATAL)
BY LAND AREAS (FRONTIER, BORDERLAND, RURAL AND URBAN)
RESIDENTS: UTAH, 1983

LAND AREAS	INFANT MORTALITY TOTAL NUMBER	TOTAL RATE	NEONATAL MORTALITY NUMBER	NEONATAL MORTALITY RATE	POSTNEONATAL MORTALITY NUMBER	POSTNEONATAL MORTALITY RATE
TOTAL	344	8.7	210	5.3	134	3.4
FRONTIER COUNTIES	10	8.5	7	5.9	3	2.5
BORDERLAND COUNTIES	28	9.8	13	4.6	15	5.3
RURAL COUNTIES	37	7.0	24	4.5	13	2.4
URBAN COUNTIES	269	8.9	166	5.5	103	3.4

NOTE: RATES ARE PER 1,000 LIVE BIRTHS.

TABLE 8

FETAL MORTALITY, LOW WEIGHT BIRTHS, OUT-OF-WEDLOCK BIRTHS AND
ABORTIONS BY LAND AREAS (FRONTIER, BORDERLAND, RURAL AND URBAN)
RESIDENTS: UTAH, 1983

LAND AREAS	FETAL MORTALITY NUMBER	FETAL MORTALITY RATIO	LOW WEIGHT BIRTHS <2,500 GRAMS NUMBER	LOW WEIGHT BIRTHS <2,500 GRAMS RATE	OUT-OF-WEDLOCK NUMBER	OUT-OF-WEDLOCK RATE	ABORTIONS NUMBER	ABORTIONS RATIO
TOTAL	270	6.8	2,190	55.5	2,962	75.1	3,576	90.7
FRONTIER COUNTIES	7	5.9	47	39.8	112	94.8	34	28.8
BORDERLAND COUNTIES	18	6.3	166	58.3	242	85.0	165	57.9
RURAL COUNTIES	31	5.8	263	49.4	250	47.0	287	53.9
URBAN COUNTIES	214	7.1	1,714	57.0	2,358	78.4	3,090	102.7

NOTE: RATES ARE PER 1,000 LIVE BIRTHS.

BIRTH SUMMARY

In Utah, during the 14 year period, 1970 to 1983, the fertility rate declined from 117.4 to 109.8 per 1,000 females 15-44 years of age. The rate has declined steadily since 1979 and decreased by seven percent since the previous year, Table 9. The provisional fertility rate nationally was 65.4 in 1983, down almost four percent from 67.8 in 1982.

Of the 40,614 births occurring in Utah in 1983, over 96 percent, 39,159, were to residents of the State, Table 10. Washington County had the largest number of non-resident live births, 300, while Salt Lake was a close second with 297 and Weber County had the third highest number, 269.

San Juan County had the highest percentage of non-Utah resident births, 32 percent, while Washington and Kane counties were second and third with 28 and 25 percent respectively. For every ten births occurring in San Juan County, three were to residents of other States.

Over 99 percent of Utah's resident births in 1983 occurred within the state. San Juan County with 129 resident live births occurring out-of-state had the largest number of these events. For every 100 birth to residents of San Juan County, almost 40 occurred outside of the State of Utah. Daggett County with a much smaller number of resident live births, 18, had the highest percentage of births occur outside of Utah, 50 percent. Rich County with one in ten of its 80 births occurring beyond the borders of the State was the only other county with ten or greater percent of its residents delivering out-of-state.

In 1983, 20,325 males and 19,116 females were born to Utah residents. This gave the State a sex ratio of 106.3 males per 100 females born during the year, Table 11. Traditionally more male than female infants are born each year, with the ratio varying between 102.8 to 106.3 in Utah during the past twenty years. The ratio of 106.3 which occurred in 1983 and 1976 is the highest its been in Utah during the last 24 years. The sex ratio nationally is more stable, due to the larger number of births, and has varied between 104.7 to 105.5 over the last twenty years. In 1983, it was 105.2.

TABLE 9

LIVE BIRTHS, POPULATION AND FERTILITY RATES, RESIDENT FEMALE 15-44 YEARS OF AGE FOR SELECTED YEARS: UTAH AND UNITED STATES, 1950-1983

	UTAH		FERTILITY RATES	
YEAR	RESIDENT LIVE BIRTHS	FEMALES AGES 15-44	UTAH	U.S.[1,2]
1983	39,441	359,100	109.8	65.4
1982	41,537	352,600	117.8	67.8
1981	41,286	346,200	119.3	67.4
1980	41,786	339,799	123.0	68.4
1979	41,078	330,596	124.3	67.2
1978	38,811	320,568	121.1	65.5
1977	37,956	309,987	122.4	66.8
1976	35,310	299,044	118.1	65.0
1975	31,667	287,924	110.0	66.0
1974	29,946	276,605	108.3	67.8
1973	27,978	265,157	105.5	68.8
1972	26,911	253,630	106.1	73.1
1971	27,552	241,851	113.9	81.6
1970	26,969	229,700	117.4	87.9
1965	22,261	204,485	108.9	96.3
1960	26,272	179,275	146.5	118.0
1955	24,602	165,653	148.5	118.3
1950	21,192	152,031	139.4	106.2

NOTES: FERTILITY RATES ARE PER 1,000 WOMEN 15-44 YEARS OF AGE. THE FERTILITY RATES FOR UTAH'S RESIDENT FEMALES, 1971-1979 WERE REVISED TO REFLECT THE CHANGE BETWEEN THE ESTIMATED AND ACTUAL POPULATIONS IN 1980; WHILE THE ESTIMATED POPULATIONS AND FERTILITY RATES, 1981-1983, HAVE BEEN REVISED SINCE PUBLICATION OF THE 1982 VITAL STATISTICS ANNUAL REPORT. THE NATIONAL FERTILITY RATES FOR 1950 AND 1955 WERE ADJUSTED FOR UNDER-REGISTRATION, REF. 2 BELOW.

SOURCE: [1]1983--"ANNUAL SUMMARY OF BIRTHS, DEATHS, MARRIAGES, AND DIVORCES, UNITED STATES," MONTHLY VITAL STATISTICS REPORT, VOL. 31, NO. 13, OCT. 5, 1982, DHHS PUB. NO. (PHS) 83-1120, NATIONAL CENTER FOR HEALTH STATISTICS, HYATTSVILLE, MD.

[2]1950-1981--"ADVANCE REPORT OF FINAL NATALITY STATISTICS, 1981," MONTHLY VITAL STATISTICS REPORT, VOL. 32, NO. 9, SUPPL., DEC 29 1983, DHHS PUB. NO. (PHS) 83-1120, NATIONAL CENTER FOR HEALTH STATISTICS, HYATTSVILLE, MD.

TABLE 10

LIVE BIRTHS TO RESIDENTS AND IN-STATE OCCURRENCES: UTAH, 1983

DISTRICT AND COUNTY	BIRTHS TO RESIDENTS			UTAH BIRTH OCCURRENCES		
	TOTAL RESIDENTS	OCCURRENCE IN UTAH	OCCURRENCE OUT OF UTAH	TOTAL OCCURRENCES	MOTHER A UTAH RESIDENT	MOTHER NOT A UTAH RESIDENT
TOTAL	39,441	39,159	282	40,614	39,159	1,455
DISTRICT 1	2,779	2,748	31	2,804	2,550	254
BOX ELDER	868	860	8	666	650	16
CACHE	1,831	1,817	14	2,138	1,900	238
RICH	80	71	9	--	--	--
DISTRICT 2N	7,383	7,366	17	7,552	7,233	319
DAVIS	3,922	3,912	10	2,659	2,609	50
MORGAN	103	102	1	--	--	--
WEBER	3,358	3,352	6	4893	4624	269
DISTRICT 2S	16,247	16,215	32	17367	17069	298
SALT LAKE	15,699	15,671	28	17141	16844	297
TOOELE	548	544	4	226	225	1
DISTRICT 3	7,578	7,553	25	7641	7548	93
SUMMIT	268	266	2	2	1	1
UTAH	7,111	7,088	23	7429	7346	83
WASATCH	199	199	--	210	201	9
DISTRICT 4	1,289	1,283	6	1067	1062	5
JUAB	135	134	1	98	98	--
MILLARD	292	290	2	229	227	2
PIUTE	27	27	--	--	--	--
SANPETE	411	408	3	385	385	--
SEVIER	368	368	--	355	352	3
WAYNE	56	56	--	--	--	--
DISTRICT 5	1,533	1,520	13	1,872	1,517	355
BEAVER	115	115	--	122	117	5
GARFIELD	102	100	2	110	110	--
IRON	450	448	2	450	427	23
KANE	110	106	4	108	81	27
WASHINGTON	756	751	5	1,082	782	300
DISTRICT 6	1,202	1,185	17	1,073	1,039	34
DAGGETT	18	9	9	--	--	--
DUCHESNE	449	448	1	547	542	5
UINTAH	735	728	7	526	497	29
DISTRICT 7	1,430	1,289	141	1,238	1,141	97
CARBON	518	515	3	768	765	3
EMERY	396	395	1	9	9	--
GRAND	190	182	8	188	182	6
SAN JUAN	326	197	129	273	185	88

TABLE 11

SEX RATIO, NUMBER OF MALES PER 100 FEMALE LIVE BIRTHS
UTAH AND THE UNITED STATES, 1960-1983

YEAR	LIVE BIRTH SEX RATIO	
	UTAH RESIDENTS	U.S. RESIDENTS
1983	106.3	105.2
1982	105.0	105.1
1981	105.4	105.2
1980	105.5	105.3
1979	105.8	105.2
1978	105.1	105.3
1977	105.6	105.3
1976	106.3	105.3
1975	104.5	105.4
1974	103.6	105.5
1973	104.6	105.2
1972	103.1	105.1
1971	105.0	105.2
1970	106.2	105.5
1969	105.1	105.3
1968	104.9	105.3
1967	105.9	105.0
1966	105.9	104.9
1965	105.7	105.1
1964	105.2	104.7
1963	102.8	105.3
1962	104.2	104.8
1961	104.9	105.0
1960	105.1	104.9

TABLE 12

LOW BIRTH WEIGHT PERCENTAGE BY RACE, LESS THAN 2,500 GRAMS
UTAH AND UNITED STATES, 1970-1983

	PERCENTAGE BIRTH WEIGHT LESS THAN 2,500 GRAMS[1]						
	UTAH				UNITED STATES[2]		
YEAR	TOTAL	WHITE	BLACK	ALL OTHER	TOTAL	WHITE	BLACK
1983	5.6	5.5	10.3	6.5	6.8	5.7	12.6
1982	5.6	5.5	11.4	6.8	6.8	5.6	11.2
1981	5.4	5.4	8.7	5.8	6.8	5.7	11.4
1980	5.3	5.2	9.6	5.5	6.8	5.7	12.5
1979	5.6	5.5	11.2	5.9	6.9	5.8	12.6
1978	5.6	5.6	7.3	5.4	7.1	5.9	12.9
1977	5.2	5.2	13.3	5.6	7.1	5.9	12.8
1976	5.4	5.3	14.0	6.1	7.3	6.1	13.0
1975	5.3	5.3	13.8	5.6	7.4	6.3	13.1
1974	5.3	5.2	17.9	6.4	7.4	6.3	13.1
1973	5.5	5.5	14.7	4.8	7.6	6.4	13.3
1972	6.0	6.0	11.9	7.0	7.7	6.5	13.6
1971	6.2	6.1	9.4	8.3	7.7	6.6	13.4
1970	6.5	6.5	12.9	8.3	7.9	6.8	13.9

[1]LOW BIRTH WEIGHT IS NOW DEFINED, EFFECTIVE JANUARY 1, 1979, AS "LESS THAN 2,500 GRAMS" (OR 5 POUNDS 8 OUNCES). THIS DEFINITION WAS CHANGED IN THE NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES (ICD-9), 1978. PRIOR TO THIS CHANGE, LOW BIRTH WEIGHT WAS DEFINED AS "2,500 GRAMS OR LESS."

[2]"ADVANCE REPORT ON NATALITY STATISTICS, 1982," MONTHLY VITAL STATISTICS REPORT, VOL. 33, NO. 6, SUPP., SEPT. 28, 1984, DHHS PUB. NO. (PHS) 84-1120, NATIONAL CENTER FOR HEALTH STATISTICS, HYATTSVILLE, MD. page 27.

Utah continues to have a lower percentage of low birth weight infants, less than 2,500 grams, than nationally, Table 12. In both 1982 and 1983, the overall percentage for low birth weight infants in Utah, 5.6 percent, was over 17 percent lower than nationally, 6.8 percent, in 1983.

Between 1970 and 1983, the percentage of low birth weight infants in Utah decreased by almost 14 percent, from 6.5 to 5.6 percent. Nationally, the decrease also has been about 14 percent between 1970 and 1983.

Whites, both in Utah and nationally, continue to have a smaller percentage of births that are low birth weight than Blacks. The percentage difference in Utah in 1983, was Whites, 5.5 percent, and Blacks, 10.3 percent. In Utah and nationally, the percentages of low birth weight infants have decreased appreciably for both Whites and Blacks. For Whites in Utah, the percentage decrease has been over 15 percent, while for Blacks the percentage decrease between 1970 and 1983 was almost 20 percent. Nationally, these decreases were 16 percent for Whites and 9 percent for Blacks between 1970 and 1983.

Out-of-wedlock resident births by age of mother for the period 1970-1983 are summarized in Table 13. While the total number of resident live births decreased by five percent between 1982 and 1983, out-of-wedlock births in Utah increased by over two percent. In 1983, 7.5 percent of all resident births in Utah were born out-of-wedlock. Nationally, in 1982, of the 41 states and the District of Columbia which report marital status, 19.4 percent of the births were out-of-wedlock. This is an increase of almost three percent compared with the out-of-wedlock rate in 1981[1].

The rate of age-specific out-of-wedlock births (out-of-wedlock births to females of a specific age group divided by the total number of births to females in that age group times 1,000) is summarized in Table 14. This table shows that for every 1,000 live births to teenagers, ages 15-19 in 1983, approximately 309 were born to unmarried teenage females. Since 1970, this rate has increased by 75 percent.

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[1] "Advance Report on Final Natality Statistics, 1982," Monthly Vital Statistics Report, Vol. 33, No. 6, Supp., Sept. 28, 1984, DHHS Pub. No. (PHS) 84-1120, National Center for Health Statistics, Hyattsville, Md., p. 30.

TABLE 13

OUT-OF-WEDLOCK BIRTHS BY AGE OF WOMAN, RESIDENTS: UTAH, 1970-1983

		AGE OF WOMAN								
YEAR	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 + OVER	UNKNOWN
1983	2,962	22	1,120	1,077	464	196	68	15	--	--
1982	2,899	27	1,150	1,046	433	163	70	10	--	--
1981	2,694	29	1,094	1,005	385	136	36	7	1	1
1980	2,605	28	1,163	894	344	128	42	5	--	1
1979	2,316	18	1,061	784	295	116	35	5	1	1
1978	2,160	28	997	732	274	89	30	9	1	--
1977	1,806	30	880	584	211	73	22	2	1	3
1976	1,493	20	735	479	168	65	21	4	--	1
1975	1,321	32	642	439	136	48	18	3	--	3
1974	1,138	16	564	380	114	40	18	3	--	3
1973	1,216	23	638	381	112	40	15	6	--	1
1972	1,136	23	574	379	83	42	26	5	2	2
1971	1,058	11	500	382	105	38	19	3	--	--
1970	1,215	14	588	441	100	40	20	5	--	7

TABLE 14

OUT-OF-WEDLOCK BIRTHS PER 1,000 LIVE BIRTHS BY AGE OF WOMAN
RESIDENTS: UTAH, 1970-1983

		AGE OF WOMAN					
YEAR	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35+
1983	75.1	666.7	308.5	80.3	37.1	28.1	28.7
1982	69.8	843.8	273.0	71.0	33.7	23.8	27.9
1981	65.3	852.9	249.0	67.2	30.7	20.2	16.7
1980	62.3	777.8	255.0	57.9	27.6	19.5	17.3
1979	56.4	642.9	233.5	51.8	23.8	18.3	15.6
1978	55.7	717.9	227.8	50.8	23.7	14.9	16.5
1977	47.6	857.1	207.9	40.7	18.4	12.9	11.4
1976	42.3	689.7	188.4	35.6	15.5	13.0	12.2
1975	41.7	780.5	171.8	35.9	14.4	11.0	11.6
1974	38.0	666.7	156.7	32.2	13.0	9.9	12.4
1973	43.5	766.7	178.4	35.4	13.7	10.8	11.9
1972	42.2	821.4	164.9	36.2	10.9	12.1	18.2
1971	38.4	611.1	156.3	34.1	13.9	10.6	11.8
1970	45.0	736.8	176.3	41.0	13.4	11.4	13.4

DEATH SUMMARY

There were 8,484 Utah residents who died in 1983; a decrease of less than one percent from the 8,502 in 1982. The mortality rate remained the same at 5.4 deaths per 1,000 population. The provisional mortality rate nationally was 8.6 deaths per 1,000 persons.

Table 15, summarizes the 15 leading causes of death in Utah and the United States in 1983. Although the rank order of the leading causes are similar, the death rates are different for the first three and first five out of six causes. While the rates for the three leading causes of death in the United States are almost twice as high as those in Utah, the rates for the fourth leading cause "accidents and adverse effects" are comparable, Utah 36.8 and the United States 39.5 per 100,000 population. However, accidental deaths comprise over 7 percent of the deaths in Utah and only 5 percent nationally. The rates for heart disease, malignant neoplasms, and cerebrovascular diseases are all higher nationally than in Utah, 329.2 vs. 183.9; 189.3 vs. 93.9; and 66.5 vs. 39.9, respectively.

For all of the leading causes, the rates nationally are higher than in Utah except for suicide (Utah 13.4 vs. U.S. 12.1) and "certain conditions originating in the perinatal period" (Utah 9.2, the ninth leading cause vs. U.S. 8.3, the twelfth); and congenital anomalies (Utah 7.6, the tenth leading cause vs. U.S. 5.6, the fifteenth).

The relatively low mortality rates in Utah can be explained, at least in part, by Utah's younger population. More than 60 percent of all deaths occur to persons over 65 years of age. Utah has a smaller percentage of older persons than nationally, and, as a consequence, has lower mortality rates.

An historical trend of selected causes of death in Utah is indicated in Tables 16 and 17. These tables show the numbers and "crude mortality," rates per 100,000 population for the fourteen year period 1970-1983.

The leading causes of death for expected years of life lost and working years of life lost for males and females are summarized in Table 18. There are significant differences in the leading causes for both expected years of life and working years of life lost between males and females.

TABLE 15

LEADING CAUSES OF DEATH: UTAH AND UNITED STATES, 1983

UNITED STATES				UTAH		
	RANK CAUSE	ICDA CODE	RATE PER 100,000 POPULATION	RANK CAUSE	NUMBER	RATE PER 100,000 POPULATION
	TOTAL		862.8	TOTAL	8,484	534.6
1.	DISEASES OF THE HEART	390-398,402, 404-429	329.2	1. DISEASES OF THE HEART	2,919	183.9
2.	MALIGNANT NEOPLASMS	140-208	189.3	2. MALIGNANT NEOPLASMS	1,490	93.9
3.	CEREBROVASCULAR DISEASES	430-438	66.5	3. CEREBROVASCULAR DISEASES	634	39.9
4.	ACCIDENTS AND ADVERSE EFFECTS	E800-E949	39.5	4. ACCIDENTS AND ADVERSE EFFECTS	584	36.8
5.	CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS	490-496	28.3	5. CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS	274	17.3
6.	PNEUMONIA AND INFLUENZA	480-487	23.9	6. PNEUMONIA AND INFLUENZA	249	15.7
7.	DIABETES MELLITUS	250	15.5	7. SUICIDE	212	13.4
8.	SUICIDE	E950-E959	12.1	8. DIABETES MELLITUS	186	11.7
9.	CHRONIC LIVER DISEASE AND CIRRHOSIS	571	11.7	9. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	146	9.2
10.	ATHEROSCLEROSIS	440	11.3	10. CONGENITAL ANOMALIES	121	7.6
11.	HOMICIDE AND LEGAL INTERVENTION	E960-E978	8.6	11. CHRONIC LIVER DISEASE AND CIRRHOSIS	99	6.2
12.	CERTAIN CONDITIONS ORGINATING IN THE PERINATAL PERIOD	760-779	8.3	12. ATHEROSCLEROSIS	94	5.9
13.	NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	580-589	8.1	13. NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	78	4.9
14.	SEPTICEMIA	038	5.7	14. HOMICIDE AND LEGAL INTERVENTION	61	3.8
15.	CONGENITAL ANOMALIES	740-759	5.6	15. SEPTICEMIA	60	3.8
	ALL OTHER CAUSES	--	--	ALL OTHER CAUSES	1,277	--

SOURCE: "ADVANCE REPORT OF FINAL MORTALITY STATISTICS, 1983," MONTHLY VITAL STATISTICS REPORT, VOL. 34, NO. 6, SUPPLEMENT, SEPTEMBER 26, 1985, DHHS PUB. NO. (PHS) 85-1120, NATIONAL CENTER FOR HEALTH STATISTICS, HYATTSVILLE, MD., P. 6.

Diseases of the heart and stroke are the leading causes of expected years of life lost for both males and females, 25.9 percent respectively. However, heart disease and stroke caused 12.0 percent of working years of life lost by males compared with only 8.1 percent for females. The number one cause of working years of life lost for females was certain conditions originating in the perinatal period and SIDS. Motor vehicle accident fatalities were the number one cause of working years of life lost for males. Almost 19 percent of working years were lost by females to cancer, while males lost more than seven percent to this disease. Males had almost three times the percentage than females of expected years lost and working years of life lost to non-motor vehicle accidents.

Females had higher percentages of working years lost due to certain conditions originating in the perinatal period and SIDS (19.5 percent) and congenital anomalies (9.8 percent) than males (13.5 and 7.3 percent). Although a small amount, 1.5 percent, of females' working years were lost to diabetes; males lost less than one percent.

There were 344 resident infant deaths in Utah during 1983, for an infant mortality rate of 8.7 deaths per 1,000 live births. This rate is about 22 percent lower than the rate of 11.2 nationally. Of these 344 infant deaths, 210 died during the neonatal period, from the time of birth through the first 27 days, for a rate of 5.5 per 1,000 live births. There were 134 postneonatal deaths, from 28 days to one year. The postneonatal mortality rate was 3.4 in Utah.

Utah continues to have one of the lowest infant mortality rates in the United States. Table 19 summarizes Utah's infant mortality rate in various age groups since 1960. For a comparison with national rates, see Table 2.

Since 1978, the bureau has analyzed mortality for persons of Spanish origin. In 1983, a smaller percentage of persons of Spanish origin, over 35 percent, died of cardiovascular disease than those of non-Spanish origin, almost 45 percent, also, a smaller percentage died of malignant neoplasms, 10.6 percent vs. 17.7 percent; however, persons of Spanish origin had higher percentages of deaths than all others in the state for: accidents, 17.6, vs. 6.7 percent; homicide, 5.6 vs. .6 percent, suicide, 4.9 vs. 2.5 percent; "certain conditions originating in the perinatal period," 2.8 vs. 1.7 percent;

TABLE 16

MORTALITY FOR SELECTED CAUSES OF DEATH, RESIDENTS: UTAH, 1970-1983

CAUSE OF DEATH, INTERNATIONAL CLASSIFICATION OF DISEASES	DEATHS PER YEAR													
	EIGHTH REVISION									NINTH REVISION				
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOTAL, ALL CAUSES	7,063	7,245	7,323	7,573	7,380	7,519	7,472	7,612	7,871	7,871	8,103	8,263	8,502	8,484
SEPTICEMIA (038)	10	21	23	21	23	29	22	35	34	31	31	25	57	60
ALL OTHER (001-037, 039-139)	46	53	46	51	39	39	41	37	36	20	36	29	22	38
MALIGNANT NEOPLASMS (140-208)	1,029	1,016	1,027	1,088	1,162	1,169	1,246	1,272	1,309	1,314	1,379	1,424	1,460	1,490
DIABETES MELLITUS (250)	160	183	173	158	157	152	150	172	167	176	170	159	184	186
DISEASES OF HEART (390-398, 402, 404, 410-429)	2,236	2,448	2,485	2,463	2,438	2,479	2,501	2,557	2,658	2,800	2,870	2,940	2,954	2,919
CEREBROVASCULAR DISEASE (430-438)	662	734	713	793	783	725	675	671	676	628	647	631	652	634
GENERAL ATHEROSCLEROSIS (440)	108	98	104	122	120	93	123	104	105	81	102	89	81	94
OTHER DISEASES OF CIRCULATORY SYSTEM (441-448)	101	107	89	82	80	97	109	95	95	70	75	98	82	102
PNEUMONIA AND INFLUENZA (480-487)	198	192	201	224	222	271	259	224	261	232	262	211	232	249
ASTHMA, BRONCHITIS AND EMPHYSEMA (490-493)	147	126	108	127	119	133	111	118	102	107	90	96	90	90
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	102	97	106	121	96	126	100	121	112	143	101	104	110	99
NEPHRITIS AND NEPHROSIS (580-589)	32	29	35	27	28	38	31	18	22	60	71	77	72	78
CONGENITAL ANOMALIES (740-759)	124	107	107	114	104	137	131	135	162	135	143	139	169	121
CERTAIN CONDITIONS ORGINATING IN THE PERINATAL PERIOD (760-779)	231	220	193	184	206	198	208	152	183	192	195	177	206	146
SYMPTOMS, SENILITY AND ILL-DEFINED CONDITIONS (780-799)	350	231	253	264	188	200	146	176	171	154	133	154	166	133
MOTOR VEHICLE ACCIDENTS (E810-E825)	326	330	388	370	275	278	286	336	384	335	347	343	325	296
ACCIDENTS, ALL OTHERS (E800-E807, E826-E949)	292	271	306	327	346	328	270	282	310	287	295	287	273	288
SUICIDE (E950-E959)	156	129	139	146	134	165	167	180	167	179	190	196	203	212
HOMICIDE AND LEGAL INTERVENTION (E960-E978)	41	35	43	41	46	36	60	52	65	62	57	59	62	61
ALL OTHER CAUSES	712	818	784	850	814	826	836	875	852	865	909	1,025	1,102	1,188

TABLE 17

MORTALITY RATES FOR SELECTED CAUSES OF DEATH, RESIDENTS: UTAH, 1970-1983

CAUSE OF DEATH, INTERNATIONAL CLASSIFICATION OF DISEASES	RATES PER YEAR													
	EIGHTH REVISION									NINTH REVISION				
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOTAL, ALL CAUSES	662.6	658.0	645.2	647.8	616.5	609.3	587.4	578.4	577.1	555.9	549.7	543.6	545.0	534.6
SEPTICEMIA (038)	0.9	1.9	2.0	1.8	1.9	2.4	1.7	2.7	2.5	2.2	2.1	1.6	3.7	3.8
ALL OTHER (001-037, 039-139)	4.3	4.8	4.1	4.4	3.3	3.2	3.2	2.8	2.6	1.4	2.4	1.9	1.4	2.4
MALIGNANT NEOPLASM (140-208)	96.5	92.3	90.5	93.1	97.1	94.7	98.0	96.7	96.0	92.8	93.6	93.7	93.6	93.9
DIABETES MELLITUS (250)	15.0	16.6	15.2	13.5	13.1	12.3	11.8	13.1	12.2	12.4	11.5	10.5	11.8	11.7
DISEASES OF HEART (390-398, 402, 404, 401-429)	209.8	222.3	218.9	210.7	203.7	200.9	196.6	194.3	194.9	197.7	194.7	193.4	189.4	183.9
CEREBROVASCULAR DISEASE (430-438)	62.1	66.7	62.8	67.8	65.4	58.8	53.1	51.0	49.6	44.4	43.9	41.5	41.8	39.9
GENERAL ATHEROSCLEROSIS (440)	10.1	8.9	9.2	10.4	10.0	7.5	9.7	7.9	7.7	5.7	6.9	5.9	5.2	5.9
OTHER DISEASES OF CIRCULATORY SYSTEM (441-448)	9.5	9.7	7.8	7.0	6.7	7.9	8.6	7.2	7.0	4.9	5.1	6.4	5.3	6.4
PNEUMONIA AND INFLUENZA (480-487)	18.6	17.4	17.7	19.2	18.5	22.0	20.4	17.0	19.1	16.4	17.8	13.9	14.9	15.7
ASTHMA, BRONCHITIS AND EMPHYSEMA (490-493)	13.8	11.4	9.5	10.9	9.9	10.8	8.7	9.0	7.5	7.6	6.1	6.3	5.8	5.7
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	9.6	8.8	9.3	10.4	8.0	10.2	7.9	9.2	8.2	10.1	6.9	6.8	7.1	6.2
NEPHRITIS AND NEPHROSIS (580-589)	3.0	2.6	3.1	2.3	2.3	3.1	2.4	1.4	1.6	4.2	4.8	5.1	4.6	4.9
CONGENITAL ANOMALIES (740-759)	11.6	9.7	9.4	9.8	8.7	11.1	10.3	10.3	11.9	9.5	9.7	9.1	10.8	7.6
CERTAIN CONDITIONS ORGINATING IN THE PERINATAL PERIOD (760-779)	21.7	20.0	17.0	15.7	17.2	16.0	16.4	11.6	13.4	13.6	13.2	11.6	13.2	9.2
SYMPTOMS, SENILITY AND ILL-DEFINED CONDITIONS (780-799)	32.8	21.0	22.3	22.6	15.7	16.2	11.5	13.4	12.5	10.9	9.0	10.1	10.6	8.4
MOTOR VEHICLE ACCIDENTS (E810-E825)	30.6	30.0	34.2	31.7	23.0	22.5	22.5	25.5	28.2	23.7	23.5	22.6	20.8	18.7
ACCIDENTS, ALL OTHERS (E800-E807, E826-E949)	27.4	24.6	27.0	28.0	28.9	26.6	21.2	21.4	22.7	20.3	20.0	18.9	17.5	18.1
SUICIDE (E950-E959)	14.6	11.7	12.2	12.5	11.2	13.4	13.1	13.7	12.2	12.6	12.9	12.9	13.0	13.4
HOMICIDE AND LEGAL INTERVENTION (E960-978)	3.8	3.2	3.8	3.5	3.8	2.9	4.7	4.0	4.8	4.4	3.9	3.9	4.0	3.8
ALL OTHER CAUSES	66.8	74.3	69.1	72.7	68.0	66.9	65.7	66.5	62.5	61.1	61.7	67.4	70.6	74.9

TABLE 18

EXPECTED YEARS OF LIFE AND WORKING YEARS OF LIFE LOST BY UNDERLYING CAUSE OF DEATH, RESIDENTS: UTAH, 1983

CAUSE OF DEATH, INTERNATIONAL CLASSIFICATION OF DISEASE, NINTH REVISION	EXPECTED YEARS OF LIFE LOST						WORKING YEARS OF LIFE LOST					
	TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	YEARS	PERCENT	YEARS	PERCENT	YEARS	PERCENT	YEARS	PERCENT	YEARS	PERCENT	YEARS	PERCENT
TOTAL	166,020	100.0	92,501	100.0	73,519	100.0	66,417	100.0	41,762	100.0	24,655	100.0
HEART DISEASE & STROKE (390-398,402, 404-429,430-438)	42,998	25.9	23,940	25.9	19,058	25.9	6,988	10.5	5,003	12.0	1,985	8.1
MALIGNANT NEOPLASMS (140-208)	26,603	16.0	11,509	12.4	15,094	20.5	7,643	11.5	3,042	7.3	4,601	18.7
MOTOR VEHICLE ACCIDENTS (E810-E825)	13,125	7.9	8,636	9.3	4,489	6.1	9,039	13.6	6,239	14.9	2,800	11.4
NON-MOTOR VEHICLE ACCIDENTS (E800-E807, E826-E949)	11,082	6.7	8,655	9.4	2,427	3.3	7,218	10.9	5,864	14.0	1,354	5.5
PNEUMONIA & INFLUENZA (480-487)	2,913	1.8	1,373	1.5	1,540	2.1	609	0.9	443	1.1	166	0.7
CONDITIONS ORIGINATING IN THE PERINATAL PERIOD & SIDS (760-779,798.0)	15,666	9.4	8,126	8.8	7,540	10.3	10,450	15.7	5,650	13.5	4,800	19.5
SUICIDE (E950-E959)	8,224	5.0	6,449	7.0	1,775	2.4	5,600	8.4	4,515	10.8	1,085	4.4
DIABETES MELLITUS (250)	2,693	1.6	1,011	1.1	1,682	2.3	625	0.9	266	0.6	359	1.5
CONGENITAL ANOMALIES (740-759)	8,249	5.0	4,397	4.8	3,852	5.2	5,461	8.2	3,044	7.3	2,417	9.8
CHRONIC LIVER DIS. & CIRRHOSIS (571)	2,355	1.4	1,305	1.4	1,050	1.4	945	1.4	556	1.3	389	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	3,944	2.4	2,419	2.6	1,525	2.1	646	1.0	376	0.9	270	1.1
	28,169	17.0	14,681	15.9	13,488	18.3	11,193	16.9	6,764	16.2	4,429	18.0

NOTE: WORKING YEARS ARE DEFINED AS AGES 15 TO 65. WORKING YEARS OF LIFE LOST ARE CALCULATED BY COMPUTING THE NUMBER OF YEARS BETWEEN AGE AT TIME OF DEATH AND AGE 65 WITH NO ACCOUNTING FOR YEARS BEFORE AGE 15. FOR EXAMPLE, IF A PERSON DIES AT AGE 5, WORKING YEARS OF LIFE LOST WOULD BE 50. AGE NOT STATED IS NOT INCLUDED. SEX NOT STATED IS INCLUDED IN MALE.

TABLE 19

INFANT MORTALITY RATES BY AGE AT DEATH, RESIDENTS: UTAH, 1960-1983

YEAR	TOTAL	UNDER 1 DAY	1-6 DAYS	1-4 WEEKS	1-11 MONTHS
1983	8.7	3.2	1.2	.9	3.4
1982	11.0	4.0	1.8	.9	4.2
1981	9.8	3.2	1.5	1.1	3.9
1980	10.4	3.1	2.2	1.3	3.8
1979	10.7	3.1	2.4	1.3	4.0
1978	11.4	4.0	2.6	1.2	3.6
1977	10.0	3.4	2.3	1.0	3.3
1976	11.7	4.0	2.7	1.2	3.8
1975	13.1	3.7	4.3	1.4	3.9
1974	12.2	4.4	3.0	1.6	3.2
1973	12.7	4.2	3.5	1.3	3.7
1972	13.4	4.6	3.8	1.4	3.5
1971	13.9	5.2	4.2	1.3	3.2
1970	15.0	5.6	4.5	1.0	3.9
1969	15.8	6.0	4.3	1.2	4.3
1968	17.7	7.3	5.0	1.0	4.4
1967	16.7	6.8	4.5	1.2	4.2
1966	18.3	8.2	5.8	1.0	3.3
1965	18.8	7.4	5.2	.9	5.3
1964	20.2	7.8	5.7	1.2	5.5
1963	18.6	6.8	4.9	1.2	5.7
1962	20.0	6.6	6.3	1.3	5.8
1961	20.2	7.7	6.2	1.1	5.2
1960	19.6	6.8	6.7	.9	5.2

and cirrhosis of the liver, 2.8 vs. 1.7 percent, Table 20. For most of the other leading causes of death, the percentage distributions for persons of Spanish origin and non-Spanish origin are similar.

Persons of Spanish origin had a higher percentage of deaths, almost double, than all persons of non-Spanish origin for every age group from under one year through 59 years of age, Table 21. At age 50-59 years, the difference is reduced, 10.6 vs. 8.3 percent, and at the older ages the percentages are greater for the non-Spanish population.

TABLE 20

MORTALITY BY SELECTED CAUSE, SPANISH AND NON-SPANISH ORIGIN, RESIDENTS: UTAH, 1983

CAUSE OF DEATH	SPANISH ORIGIN NUMBER	SPANISH ORIGIN PERCENTAGE	NON-SPANISH ORIGIN NUMBER	NON-SPANISH ORIGIN PERCENTAGE
TOTAL	142	100.0	8,342	100.0
TUBERCULOSIS	1	.7	5	.1
MALIGNANT NEOPLASMS	15	10.6	1,475	17.7
BENIGN NEOPLASMS	1	.7	33	.4
DIABETES	5	3.5	181	2.2
CARDIOVASCULAR	46	32.4	3,732	44.7
PNEUMONIA/INFLUENZA	4	2.8	245	2.9
LIVER/CIRRHOSIS	4	2.8	95	1.1
CONGENITAL ANOMALIES	3	2.1	118	1.4
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	4	2.8	142	1.7
ACCIDENTS	25	17.6	559	6.7
SUICIDE	7	4.9	205	2.5
HOMICIDE	8	5.6	53	.6
ALL OTHER CAUSES	19	13.4	1,499	18.0

TABLE 21

MORTALITY BY AGE, SPANISH AND NON-SPANISH ORIGIN RESIDENTS: UTAH, 1983

AGE AT DEATH	SPANISH ORIGIN NUMBER	SPANISH ORIGIN PERCENTAGE	NON-SPANISH ORIGIN NUMBER	NON-SPANISH ORIGIN PERCENTAGE
TOTAL ALL AGES	142	100.0	8,342	100.0
UNDER 1	11	7.7	333	4.0
1-9	9	6.3	129	1.5
10-19	10	7.0	132	1.6
20-29	14	9.9	261	3.1
30-39	9	6.3	268	3.2
40-49	10	7.0	339	4.1
50-59	15	10.6	695	8.3
60-69	16	11.3	1,402	16.8
70-79	23	16.2	2,063	24.7
80+	24	16.9	2,719	32.6
NOT STATED	1	--	1	.4

VIOLENT DEATH SUMMARY

Mortality due to violent causes is defined as death due to accidents, suicide, homicide and "injury but unable to determine whether accidentally or purposely inflicted." Deaths from these causes are usually identified as "medical examiner," or "coroner" cases. The reporting of such cases is influenced by the quality of the medical-legal system in a state. Utah adopted a state-wide medical examiner system in 1968. Improvement in reporting since then may account for part of the increase in violent deaths.

In 1983, there were 899 residents of Utah who died of violent causes. This total represents almost 11 percent of all deaths to Utah's residents for the year and a mortality rate of 56.6 per 100,000 population. The number of violent deaths decreased by one percent between 1982 and 1983, while the rate decreased by almost three percent, Table 22.

The mortality rates for violent deaths decreased in Utah between 1982 and 1983, for all types except suicide. During this period, the number of suicide deaths increased by over four percent from 203 to 212. There was one less homicide in 1983 than there was in 1982.

Although suicide was the second leading cause of violent death to residents of Utah, almost 24 percent, accidents, the leading cause, accounted for 65 percent. These were divided almost equally between motor vehicle accidents, 33 percent and all other accidents, 32 percent. The remaining 11 percent were due to homicides, 7 percent and undetermined injury, 5 percent.

Table 23 summarizes suicide mortality to Utah residents by sex and age for each year, 1960-1983. Although there is some fluctuation in the number of suicide deaths annually, between 1972 and 1983, the total number of suicides to residents of Utah increased by 53 percent, with increases of almost 61 percent for males and 24 percent for females. The number of suicides to females, 41, increased by 14 percent from 1982; while the number of males increased from 167 to 171, or two percent, between these two years.

TABLE 22

VIOLENT DEATHS AND RATES BY TYPE, RESIDENTS
UTAH, 1982-1983 AND UNITED STATES, 1983

TYPE OF VIOLENCE	UTAH NUMBER 1983	UTAH NUMBER 1982	UTAH RATES 1983	UTAH RATES 1982	RATES U.S. 1983
TOTAL	899	910	56.6	58.3	60.2
ACCIDENTS	584	598	36.8	38.3	39.5
MOTOR VEHICLE	296	325	18.7	20.8	19.0
NON-MOTOR VEHICLE	288	273	18.1	17.5	20.5
SUICIDE	212	203	13.4	13.0	12.1
HOMICIDE	61	62	3.8	4.0	8.6
INJURY, UNABLE TO DETERMINE WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	42	47	2.6	3.0	N.A.

NOTE: RATES ARE PER 100,000 POPULATION. ALCOHOLISM NO LONGER APPEARS IN THIS TABLE AS IT IS DEFINED AS A DISEASE AND NOT A VIOLENT DEATH. THE TOTAL FOR THE UNITED STATES DOES NOT INCLUDE "INJURY UNABLE TO DETERMINE WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED." N.A. MEANS NOT AVAILABLE.

TABLE 23

SUICIDE DEATHS BY YEAR, SEX AND AGE, RESIDENTS: UTAH, 1974-1983

YEAR AND SEX	TOTAL	AGE UNDER 15	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
1983 TOTAL	212	2	15	25	60	38	27	20	11	13
MALE	171	2	12	21	49	30	18	19	6	13
FEMALE	41	--	3	4	11	8	9	1	5	--
1982 TOTAL	203	1	15	28	59	27	22	28	14	9
MALE	167	1	11	24	53	21	13	25	11	8
FEMALE	36	--	4	4	6	6	9	3	3	1
1981 TOTAL	196	3	17	26	41	34	29	26	16	4
MALE	160	3	14	22	35	26	21	20	15	4
FEMALE	36	--	3	4	6	8	8	6	1	--
1980 TOTAL	190	--	11	29	45	31	29	19	14	12
MALE	137	--	5	20	39	22	19	12	10	10
FEMALE	53	--	6	9	6	9	10	7	4	2
1979 TOTAL	179	1	15	28	46	33	15	16	16	9
MALE	148	--	12	25	38	25	13	12	16	7
FEMALE	31	1	3	3	8	8	2	4	--	2
1978 TOTAL	167	2	12	27	30	27	20	25	17	7
MALE	134	2	9	26	25	19	16	19	12	6
FEMALE	33	--	3	1	5	8	4	6	5	1
1977 TOTAL	180	2	17	25	35	29	28	24	14	6
MALE	147	2	17	23	29	23	21	14	12	6
FEMALE	33	--	--	2	6	6	7	10	2	--
1976 TOTAL	167	--	13	15	38	24	31	28	13	5
MALE	129	--	9	14	31	18	20	23	10	4
FEMALE	38	--	4	1	7	6	11	5	3	1
1975 TOTAL	165	--	22	22	36	26	21	15	15	8
MALE	132	--	17	20	32	18	15	10	13	7
FEMALE	33	--	5	2	4	8	6	5	2	1
1974 TOTAL	134	2	6	17	32	24	24	17	10	2
MALE	104	1	3	14	24	19	20	12	10	1
FEMALE	30	1	3	3	8	5	4	5	--	1

NOTE: ONE MALE SUICIDE IN 1983 HAD AGE UNKNOWN. IT IS INCLUDED IN THE TOTAL, BUT NOT DISTRIBUTED.

REFERENCE TABLES

TABLE A-1

LIVE BIRTHS BY COUNTY OF OCCURRENCE, SEX, ATTENDANT AND HOSPITAL DELIVERY: UTAH, 1983

DISTRICT AND COUNTY OF OCCURRENCE	TOTAL LIVE BIRTHS	SEX		ATTENDANT			HOSPITAL DELIVERY
		MALE	FEMALE	PHYSICIAN	MIDWIFE	CERTIFIED NURSE/MIDWIFE	
TOTAL	40,614	20,934	19,680	38,729	457	1,107	39,538
DISTRICT 1	2,804	1,442	1,362	2,768	14	--	2,763
BOX ELDER	666	343	323	650	2	--	648
CACHE	2,138	1,099	1,039	2,118	12	--	2,115
RICH	--	--	--	--	--	--	--
DISTRICT 2N	7,552	3,808	3,744	7,207	54	273	7,472
DAVIS	2,659	1,350	1,309	2,341	34	273	2,612
MORGAN	--	--	--	--	--	--	--
WEBER	4,893	2,458	2,435	4,866	20	--	4,860
DISTRICT 2S	17,367	8,980	8,387	16,531	126	582	16,851
SALT LAKE	17,141	8,853	8,288	16,366	126	523	16,627
TOOELE	226	127	99	165	--	59	224
DISTRICT 3	7,641	4,011	3,630	7,265	89	252	7,432
SUMMIT	2	2	--	1	1	--	--
UTAH	7,429	3,903	3,526	7,055	87	252	7,223
WASATCH	210	106	104	209	1	--	209
DISTRICT 4	1,067	546	521	1,053	7	--	1,051
JUAB	98	58	40	94	3	--	94
MILLARD	229	117	112	224	2	--	224
PIUTE	--	--	--	--	--	--	--
SANPETE	385	194	191	381	2	--	381
SEVIER	355	177	178	354	--	--	352
WAYNE	--	--	--	--	--	--	--
DISTRICT 5	1,872	975	897	1,615	165	--	1,689
BEAVER	122	58	64	122	--	--	122
GARFIELD	110	63	47	110	--	--	109
IRON	450	239	211	368	1	--	443
KANE	108	54	54	105	--	--	105
WASHINGTON	1,082	561	521	910	164	--	910
DISTRICT 6	1,073	565	508	1,065	--	--	1,065
DAGGETT	--	--	--	--	--	--	--
DUCHESNE	547	279	268	543	--	--	543
UINTAH	526	286	240	522	--	--	522
DISTRICT 7	1,238	607	631	1,225	2	--	1,215
CARBON	768	368	400	767	1	--	765
EMERY	9	3	6	1	1	--	--
GRAND	188	94	94	188	--	--	187
SAN JUAN	273	142	131	269	--	--	263

TABLE A-2

LIVE BIRTHS BY RESIDENCE OF MOTHER, SEX, NUMBER BORN AND BIRTH ORDER: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	SEX		SINGLE AND MULTIPLE BIRTHS		BIRTH ORDER						
		MALE	FEMALE	SINGLE	MULTIPLE	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH AND HIGHER	NOT STATED
TOTAL	39,441	20,325	19,116	38,616	825	11,858	10,327	7,131	4,603	2,676	2,819	27
DISTRICT 1	2,779	1,444	1,335	2,716	63	773	738	525	327	191	225	--
BOX ELDER	868	453	415	848	20	201	218	186	113	74	76	--
CACHE	1,831	947	884	1,788	43	553	497	331	203	106	141	--
RICH	80	44	36	80	--	19	23	8	11	11	8	--
DISTRICT 2N	7,383	3,727	3,656	7,250	133	2,223	1,995	1,350	878	496	434	7
DAVIS	3,922	1,976	1,946	3,851	71	1,088	1,024	732	487	326	261	4
MORGAN	103	53	50	103	--	26	21	22	14	6	14	--
WEBER	3,358	1,698	1,660	3,296	62	1,109	950	596	377	164	159	3
DISTRICT 2S	16,247	8,405	7,842	15,855	392	5,087	4,393	2,975	1,845	965	966	16
SALT LAKE	15,699	8,124	7,575	15,325	374	4,896	4,231	2,880	1,803	934	939	16
TOOELE	548	281	267	530	18	191	162	95	42	31	27	--
DISTRICT 3	7,578	3,955	3,623	7,421	157	2,348	1,825	1,289	874	570	670	2
SUMMIT	268	135	133	259	9	80	81	50	27	19	11	--
UTAH	7,111	3,719	3,392	6,965	146	2,211	1,688	1,210	829	532	639	2
WASATCH	199	101	98	197	2	57	56	29	18	19	20	--
DISTRICT 4	1,289	659	630	1,264	25	288	308	236	173	129	154	1
JUAB	135	79	56	135	--	25	38	21	20	16	15	--
MILLARD	292	150	142	284	8	60	69	52	42	31	38	--
PIUTE	27	12	15	27	--	4	4	4	9	1	5	--
SANPETE	411	200	211	403	8	104	96	71	54	37	48	1
SEVIER	368	189	179	361	7	85	87	76	41	39	40	--
WAYNE	56	29	27	54	2	10	14	12	7	5	8	--
DISTRICT 5	1,533	789	744	1,511	22	396	367	269	184	124	192	1
BEAVER	115	58	57	115	--	28	26	32	9	12	8	--
GARFIELD	102	57	45	102	--	23	26	20	11	11	11	--
IRON	450	228	222	442	8	135	122	66	52	30	45	--
KANE	110	58	52	108	2	32	29	14	13	8	13	1
WASHINGTON	756	388	368	744	12	178	164	137	99	63	115	--
DISTRICT 6	1,202	637	565	1,183	19	334	328	227	153	86	74	--
DAGGETT	18	13	5	18	--	6	7	2	2	--	1	--
DUCHESNE	449	235	214	445	4	118	115	94	56	35	31	--
UINTAH	735	389	346	720	15	210	206	131	95	51	42	--
DISTRICT 7	1,430	709	721	1,416	14	409	373	260	169	115	104	--
CARBON	518	254	264	513	5	163	132	95	62	39	27	--
EMERY	396	193	203	393	3	90	91	84	54	39	38	--
GRAND	190	91	99	190	--	68	60	31	16	8	7	--
SAN JUAN	326	171	155	320	6	88	90	50	37	29	32	--

TABLE A-3

LIVE BIRTHS BY RESIDENCE OF MOTHER AND MONTH OF OCCURRENCE: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	MONTH OF OCCURRENCE											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	39,441	3,157	3,047	3,600	3,488	3,439	3,470	3,465	3,432	3,242	3,152	2,907	3,042
DISTRICT 1	2,779	194	222	236	246	237	236	269	233	215	250	209	232
BOX ELDER	868	61	59	71	67	73	71	88	73	76	83	73	73
CACHE	1,831	128	156	158	170	159	160	172	157	135	153	132	151
RICH	80	5	7	7	9	5	5	9	3	4	14	4	8
DISTRICT 2N	7,383	634	539	674	624	635	637	649	668	621	573	540	589
DAVIS	3,922	327	289	364	322	340	328	326	371	344	286	294	331
MORGAN	103	13	6	5	9	8	9	12	9	7	11	6	8
WEBER	3,358	294	244	305	293	287	300	311	288	270	276	240	250
DISTRICT 2S	16,247	1,246	1,282	1,462	1,440	1,384	1,485	1,417	1,402	1,352	1,275	1,238	1,264
SALT LAKE	15,699	1,189	1,240	1,414	1,398	1,336	1,448	1,366	1,352	1,308	1,232	1,186	1,230
TOOELE	548	57	42	48	42	48	37	51	50	44	43	52	34
DISTRICT 3	7,578	620	593	703	707	696	678	633	663	593	620	526	546
SUMMIT	268	23	15	22	23	25	26	23	27	21	28	18	17
UTAH CO	7,111	583	556	665	666	660	634	590	617	552	575	499	514
WASATCH	199	14	22	16	18	11	18	20	19	20	17	9	15
DISTRICT 4	1,289	100	91	123	95	104	104	124	115	117	103	114	99
JUAB	135	13	9	13	6	10	11	20	8	12	10	16	7
MILLARD	292	19	18	26	19	22	26	27	36	23	20	28	28
PIUTE	27	2	2	2	1		1	2	3	1	3	7	3
SANPETE	411	39	25	48	31	29	31	39	36	36	31	35	31
SEVIER	368	23	34	28	30	36	31	30	27	41	36	27	25
WAYNE	56	4	3	6	8	7	4	6	5	4	3	1	5
DISTRICT 5	1,533	130	111	141	169	130	103	133	137	124	122	107	126
BEAVER	115	8	8	11	13	7	6	12	12	7	11	8	12
GARFIELD	102	12	2	8	14	8	8	10	7	6	8	6	13
IRON	450	41	35	44	47	41	31	37	32	34	41	32	35
KANE	110	8	6	10	14	11	5	8	12	7	10	8	11
WASHINGTON	756	61	60	68	81	63	53	66	74	70	52	53	55
DISTRICT 6	1,202	105	83	119	95	125	100	111	102	94	103	72	93
DAGGETT	18	3		3	1	2	3	1	2	2	1		
DUCHESNE	449	45	38	44	37	42	35	45	36	34	36	31	26
UINTAH	735	57	45	72	57	81	62	65	64	58	66	41	67
DISTRICT 7	1,430	128	126	142	112	128	127	129	112	126	106	101	93
CARBON	518	52	37	51	44	50	36	47	35	51	39	41	35
EMERY	396	36	38	36	30	38	41	35	31	29	31	24	27
GRAND	190	15	15	20	12	15	19	14	16	20	14	16	14
SAN JUAN	326	25	36	35	26	25	31	33	30	26	22	20	17

TABLE A-4

LIVE BIRTHS BY RESIDENCE OF MOTHER AND AGE: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	AGE OF MOTHER										
		UNDER 15	-----15-19 YEARS----- TOTAL	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
TOTAL	39,441	33	3,630	1,121	2,509	13,414	12,492	6,983	2,438	427	23	1
DISTRICT 1	2,779	2	201	44	157	1,021	886	469	164	34	2	--
BOX ELDER	868	1	89	20	69	315	249	148	52	12	2	--
CACHE	1,831	1	107	22	85	674	617	302	109	21	--	--
RICH	80	--	5	2	3	32	20	19	3	1	--	--
DISTRICT 2N	7,383	6	744	221	523	2,578	2,287	1,250	449	67	2	--
DAVIS	3,922	2	329	85	244	1,296	1,248	745	262	38	2	--
MORGAN	103	--	11	5	6	30	29	18	14	1	--	--
WEBER	3,358	4	404	131	273	1,252	1,010	487	173	28	--	--
DISTRICT 2S	16,247	16	1,533	520	1,013	5,068	5,312	3,125	1,020	165	7	1
SALT LAKE	15,699	16	1437	476	961	4,881	5,168	3,049	981	159	7	1
TOOELE	548	--	96	44	52	187	144	76	39	6	--	--
DISTRICT 3	7,578	3	495	132	363	2,908	2,374	1,250	441	99	8	--
SUMMIT	268	--	23	3	20	85	83	57	19	1	--	--
UTAH	7,111	2	458	127	331	2,758	2,225	1,155	409	97	7	--
WASATCH	199	1	14	2	12	65	66	38	13	1	1	--
DISTRICT 4	1,289	3	147	48	99	401	387	235	94	22	--	--
JUAB	135	--	16	6	10	50	33	23	10	3	--	--
MILLARD	292	--	33	12	21	88	88	55	21	7	--	--
PIUTE	27	--	1	1	--	6	7	8	5	--	--	--
SANPETE	411	2	54	18	36	125	129	68	30	3	--	--
SEVIER	368	1	38	9	29	115	111	69	26	8	--	--
WAYNE	56	--	5	2	3	17	19	12	2	1	--	--
DISTRICT 5	1,533	1	156	47	109	492	477	271	115	19	2	--
BEAVER	115	--	20	8	12	31	36	24	3	1	--	--
GARFIELD	102	--	11	2	9	30	30	23	5	3	--	--
IRON	450	1	40	13	27	164	149	62	31	3	--	--
KANE	110	--	13	5	8	26	34	26	11	--	--	--
WASHINGTON	756	--	72	19	53	241	228	136	65	12	2	--
DISTRICT 6	1,202	--	174	50	124	424	360	168	66	8	2	--
DAGGETT	18	--	4	3	1	9	4	1	--	--	--	--
DUCHESNE	449	--	82	24	58	159	122	60	23	2	1	--
UINTAH	735	--	88	23	65	256	234	107	43	6	1	--
DISTRICT 7	1,430	2	180	59	121	522	409	215	89	13	--	--
CARBON	518	1	62	23	39	183	158	85	27	2	--	--
EMERY	396	--	39	14	25	146	117	61	30	3	--	--
GRAND	190	--	33	9	24	67	50	25	12	3	--	--
SAN JUAN	326	1	46	13	33	126	84	44	20	5	--	--

TABLE A-5

LIVE BIRTHS BY RESIDENCE OF MOTHER AND RACE OF INFANT: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	RACE OF INFANT				
		WHITE	BLACK	INDIAN	OTHER RACES	NOT STATED
TOTAL	39,441	37,450	300	626	1,035	30
DISTRICT 1	2,779	2,670	19	28	60	2
BOX ELDER	868	830	--	21	16	1
CACHE	1,831	1,760	19	7	44	1
RICH	80	80	--	--	--	--
DISTRICT 2N	7,383	7,115	96	37	133	2
DAVIS	3,922	3,800	35	19	66	2
MORGAN	103	102	--	1	--	--
WEBER	3,358	3,213	61	17	67	--
DISTRICT 2S	16,247	15,268	164	163	644	8
SALT LAKE	15,699	14,741	156	156	638	8
TOOELE	548	527	8	7	6	--
DISTRICT 3	7,578	7,310	11	82	162	13
SUMMIT	268	265	1	1	--	1
UTAH CO	7,111	6,846	10	81	162	12
WASATCH	199	199	--	--	--	--
DISTRICT 4	1,289	1,261	--	16	11	1
JUAB	135	134	--	1	--	--
MILLARD	292	280	--	3	9	--
PIUTE	27	27	--	--	--	--
SANPETE	411	406	--	4	1	--
SEVIER	368	358	--	8	1	1
WAYNE	56	56	--	--	--	--
DISTRICT 5	1,533	1,493	2	28	9	1
BEAVER	115	111	--	4	--	--
GARFIELD	102	101	--	1	--	--
IRON	450	428	1	15	6	--
KANE	110	105	--	4	1	--
WASHINGTON	756	748	1	4	2	1
DISTRICT 6	1,202	1,100	2	90	10	--
DAGGETT	18	18	--	--	--	--
DUCHESNE	449	421	--	26	2	--
UINTAH	735	661	2	64	8	--
DISTRICT 7	1,430	1,233	6	182	6	3
CARBON	518	504	5	5	3	1
EMERY	396	388	--	7	1	--
GRAND	190	185	1	2	2	--
SAN JUAN	326	156	--	168	--	2

TABLE A-6

LIVE BIRTHS BY RESIDENCE OF MOTHER AND BIRTH WEIGHT OF INFANT: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	BIRTH WEIGHT IN GRAMS AND POUNDS									
		UNDER 1,000 (2 LBS.3 OZ. OR LESS)	1,000-1,499 (2 LBS. 4 OZ.-3 LBS 4 OZ.)	1,500-1,999 (3 LBS. 5 OZ.-4 LBS. 6 OZ.)	2,000-2,499 (4 LBS. 7 OZ.-5 LBS. 8 OZ.)	2,500-2,999 (5 LBS. 9 OZ.-6 LBS. 9 OZ.)	3,000-3,499 (6 LBS. 10 OZ.-7 LBS. 11 OZ.)	3,500-3,999 (7 LBS. 12 OZ.-8 LBS. 13 OZ.)	4,000-4,499 (8 LBS. 14 OZ.-9 LBS. 15 OZ.)	4,500 & (OVER 10 LBS. & OVER)	NOT STATED
TOTAL	39,441	124	165	394	1,507	6,248	15,225	11,841	3,308	585	44
DISTRICT 1	2,779	12	5	25	100	452	1,072	838	233	41	1
BOX ELDER	868	4	1	10	28	141	307	272	88	16	1
CACHE	1,831	8	4	13	67	308	723	543	140	25	--
RICH	80	--	--	2	5	3	42	23	5	--	--
DISTRICT 2N	7,383	31	34	83	301	1,244	2,854	2,182	559	93	2
DAVIS	3,922	17	16	39	148	624	1,542	1,190	283	62	1
MORGAN	103	--	1	1	5	15	41	32	8	--	--
WEBER	3,358	14	17	43	148	605	1,271	960	268	31	1
DISTRICT 2S	16,247	48	81	177	668	2,700	6,346	4,669	1,324	208	26
SALT LAKE	15,699	48	79	169	647	2,597	6,123	4,525	1,281	204	26
TOOELE	548	--	2	8	21	103	223	144	43	4	--
DISTRICT 3	7,578	20	26	62	249	956	2,807	2,570	729	150	9
SUMMIT	268	1	2	3	15	41	101	87	16	2	--
UTAH	7,111	19	24	56	230	883	2,628	2,424	691	147	9
WASATCH	199	--	--	3	4	32	78	59	22	1	--
DISTRICT 4	1,289	4	2	12	39	199	509	385	115	24	--
JUAB	135	--	--	2	4	15	48	50	13	3	--
MILLARD	292	1	2	5	4	42	114	87	32	5	--
PIUTE	27	--	--	--	1	4	13	7	1	1	--
SANPETE	411	--	--	2	13	55	164	131	39	7	--
SEVIER	368	3	--	3	16	72	145	96	25	8	--
WAYNE	56	--	--	--	1	11	25	14	5	--	--
DISTRICT 5	1,533	1	5	8	36	230	588	474	153	33	5
BEAVER	115	--	--	--	1	20	52	29	11	2	--
GARFIELD	102	--	--	--	4	20	35	37	6	--	--
IRON	450	1	--	3	14	73	171	137	40	11	--
KANE	110	--	--	1	6	19	40	24	17	3	--
WASHINGTON	756	--	5	4	11	98	290	247	79	17	5
DISTRICT 6	1,202	4	6	15	52	218	474	334	80	18	1
DAGGETT	18	--	--	--	--	2	10	5	1	--	--
DUCHESNE	449	2	2	2	17	97	173	126	21	8	1
UINTAH	735	2	4	13	35	119	291	203	58	10	--
DISTRICT 7	1,430	4	6	12	62	249	575	389	115	18	--
CARBON	518	1	4	2	29	97	194	141	45	5	-
EMERY	396	2	1	3	14	61	168	109	31	7	-
GRAND	190	1	--	2	10	30	70	56	18	3	-
SAN JUAN	326	--	1	5	9	61	143	83	21	3	-

TABLE A-7

LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN BY NUMBER OF PRENATAL VISITS, RESIDENTS: UTAH, 1983

MONTH PRENATAL CARE BEGAN	TOTAL LIVE BIRTHS	NUMBER OF PRENATAL VISITS							
		NONE	1-5	6-9	10-14	15-18	19-27	28+	NOT STATED
TOTAL	39,441	172	2,122	10,393	23,184	2,646	299	58	567
NONE	164	158	1	1	2	--	--	--	2
FIRST	3,832	2	46	575	2,345	720	96	30	18
SECOND	16,492	3	229	3,459	11,391	1,196	135	23	56
THIRD	11,526	2	297	3,100	7,439	610	49	3	26
FOURTH	3,420	--	320	1,583	1,415	85	7	--	10
FIFTH	1,552	--	316	814	386	24	5	2	5
SIXTH	811	--	237	466	98	4	--	--	6
SEVENTH	482	--	227	218	34	1	1	--	1
EIGHTH	333	--	252	70	7	2	--	--	2
NINTH	124	1	116	6	--	--	--	--	1
NOT STATED	705	6	81	101	67	4	6	--	440

TABLE A-8

LIVE BIRTHS BY RESIDENCE OF MOTHER AND MONTH PRENATAL CARE BEGAN: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	MONTH PRENATAL CARE BEGAN										
		NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL	39,441	164	3,832	16,492	11,526	3,420	1,552	811	482	333	124	705
DISTRICT 1	2,779	8	129	1,189	970	238	99	61	33	24	7	21
BOX ELDER	868	2	58	446	202	77	30	20	14	5	4	10
CACHE	1,831	6	68	714	732	156	65	41	18	19	3	9
RICH	80	--	3	29	36	5	4	--	1	--	--	2
DISTRICT 2N	7,383	19	700	3,731	1,851	551	222	135	85	51	17	21
DAVIS	3,922	10	398	1,913	1,029	298	115	68	42	25	9	15
MORGAN	103	1	12	53	29	5	2	--	1	--	--	--
WEBER	3,358	8	290	1,765	793	248	105	67	42	26	8	6
DISTRICT 2S	16,247	70	1,669	6,071	5,248	1,400	630	340	177	126	49	467
SALT LAKE	15,699	68	1,631	5,916	5,055	1,307	603	320	167	121	48	463
TOOELE	548	2	38	155	193	93	27	20	10	5	1	4
DISTRICT 3	7,578	14	941	3,379	1,994	608	305	129	73	43	14	78
SUMMIT	268	1	29	96	92	22	13	8	3	--	1	3
UTAH	7,111	13	892	3,216	1,835	560	284	114	69	42	13	73
WASATCH	199	--	20	67	67	26	8	7	1	1	--	2
DISTRICT 4	1,289	1	106	526	365	145	58	29	29	11	1	18
JUAB	135	--	9	61	34	21	5	3	1	1	--	--
MILLARD	292	--	16	98	83	48	17	9	14	4	--	3
PIUTE	27	--	1	8	11	3	2	--	1	--	--	1
SANPETE	411	--	25	159	143	31	18	7	10	6	1	11
SEVIER	368	1	47	181	74	38	14	8	2	--	--	3
WAYNE	56	--	8	19	20	4	2	2	1	--	--	--
DISTRICT 5	1,533	8	127	607	360	174	83	43	30	27	11	63
BEAVER	115	--	8	41	33	13	9	2	2	6	1	--
GARFIELD	102	1	3	36	33	17	9	--	1	--	--	2
IRON	450	3	52	203	105	43	19	11	3	3	3	5
KANE	110	1	5	43	29	14	8	6	--	3	--	1
WASHINGTON	756	3	59	284	160	87	38	24	24	15	7	55
DISTRICT 6	1,202	20	72	470	322	138	72	34	35	23	4	12
DAGGETT	18	--	1	9	4	2	1	--	1	--	--	--
DUCHESNE	449	12	28	179	117	49	24	10	13	8	2	7
UINTAH	735	8	43	282	201	87	47	24	21	15	2	5
DISTRICT 7	1,430	24	88	519	416	166	83	40	20	28	21	25
CARBON	518	5	22	212	159	58	28	12	5	4	3	10
EMERY	396	4	27	149	130	44	18	10	3	2	4	5
GRAND	190	1	14	71	59	17	12	4	2	4	2	4
SAN JUAN	326	14	25	87	68	47	25	14	10	18	12	6

TABLE A-9

LIVE BIRTHS BY RESIDENCE OF MOTHER AND NUMBER OF PRENATAL VISITS: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	PRENATAL VISITS							
		NONE	1-5	6-9	10-14	15-18	19-27	28+	NOT STATED
TOTAL	39,441	172	2,122	10,393	23,184	2,646	299	58	567
DISTRICT 1	2,779	8	132	542	1,946	115	13	2	21
BOX ELDER	868	2	71	240	501	39	3	1	11
CACHE	1,831	6	54	278	1,400	74	10	1	8
RICH	80	—	7	24	45	2	—	—	2
DISTRICT 2N	7,383	20	325	1,864	4,593	490	48	7	36
DAVIS	3,922	10	136	950	2,487	280	29	5	25
MORGAN	103	1	6	26	67	3	—	—	—
WEBER	3,358	9	183	888	2,039	207	19	2	11
DISTRICT 2S	16,247	75	819	3,740	9,696	1,346	124	29	418
SALT LAKE	15,699	74	790	3,646	9,354	1,284	107	29	415
TOOELE	548	1	29	94	342	62	17	—	3
DISTRICT 3	7,578	15	341	2,368	4,331	401	68	13	41
SUMMIT	268	1	11	56	172	21	2	—	5
UTAH	7,111	14	324	2,263	4,029	372	65	13	31
WASATCH	199	—	6	49	130	8	1	—	5
DISTRICT 4	1,289	2	77	383	706	99	14	1	7
JUAB	135	—	6	41	80	8	—	—	—
MILLARD	292	—	18	90	140	35	5	—	4
PIUTE	27	—	4	10	13	—	—	—	—
SANPETE	411	1	22	111	232	36	6	1	2
SEVIER	368	1	22	109	214	19	2	—	1
WAYNE	56	—	5	22	27	1	1	—	—
DISTRICT 5	1,533	7	154	478	783	84	12	1	14
BEAVER	115	—	8	32	61	12	1	—	1
GARFIELD	102	—	4	42	53	3	—	—	—
IRON	450	3	24	74	306	34	7	—	2
KANE	110	1	7	36	61	4	—	—	1
WASHINGTON	756	3	111	294	302	31	4	1	10
DISTRICT 6	1,202	21	95	331	647	71	16	3	18
DAGGETT	18	—	3	4	10	1	—	—	—
DUCHESNE	449	13	36	125	233	20	12	—	10
UINTAH	735	8	56	202	404	50	4	3	8
DISTRICT 7	1,430	24	179	687	482	40	4	2	12
CARBON	518	5	48	288	158	13	1	2	3
EMERY	396	4	37	201	140	9	2	—	3
GRAND	190	2	24	95	63	4	1	—	1
SAN JUAN	326	13	70	103	121	14	—	—	5

TABLE A-10

LIVE BIRTHS BY AGE OF MOTHER, RACE AND BIRTH ORDER OF INFANT
RESIDENTS: UTAH, 1983

RACE AND BIRTH ORDER OF INFANT	TOTAL LIVE BIRTHS	AGE OF MOTHER										
		UNDER 15	15-19 YEARS			20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
			TOTAL	15-17	18-19							
ALL RACES	39,441	33	3,630	1,121	2,509	13,414	12,492	6,983	2,438	427	23	1
FIRST	11,858	32	2,861	994	1,867	5,848	2,338	662	108	9	—	—
SECOND	10,327	1	670	120	550	5,022	3,348	1,050	218	17	1	—
THIRD	7,131	—	83	5	78	1,974	3,416	1,356	275	27	—	—
FOURTH	4,603	—	7	—	7	467	2,215	1,498	363	50	2	1
FIFTH	2,676	—	2	—	2	75	839	1,265	431	63	1	—
SIXTH OR MORE	2,819	—	—	—	—	16	333	1,151	1,040	261	18	—
NOT STATED	27	—	7	2	5	12	3	1	3	—	1	—
WHITE	37,450	25	3,415	1,040	2,375	12,750	11,879	6,623	2,325	409	23	1
FIRST	11,189	24	2,698	928	1,770	5,578	2,179	601	101	8	—	—
SECOND	9,776	1	623	106	517	4,800	3,165	972	198	16	1	—
THIRD	6,785	—	79	5	74	1,862	3,299	1,269	251	25	—	—
FOURTH	4,401	—	7	—	7	426	2,134	1,436	347	48	2	1
FIFTH	2,574	—	2	—	2	60	796	1,232	421	62	1	—
SIXTH OR MORE	2,707	—	—	—	—	15	305	1,113	1,006	250	18	—
NOT STATED	18	—	6	1	5	9	1	—	1	—	1	—
BLACK	300	1	42	17	25	110	103	34	9	1	—	—
FIRST	120	1	34	16	18	52	25	8	—	—	—	—
SECOND	88	—	7	1	6	33	38	6	4	—	—	—
THIRD	50	—	1	—	1	15	21	10	3	—	—	—
FOURTH	29	—	—	—	—	9	13	6	—	1	—	—
FIFTH	10	—	—	—	—	1	5	3	1	—	—	—
SIXTH OR MORE	3	—	—	—	—	—	1	1	1	—	—	—
NOT STATED	—	—	—	—	—	—	—	—	—	—	—	—
INDIAN	626	3	106	43	63	236	160	89	30	2	—	—
FIRST	191	3	84	36	48	74	17	12	1	—	—	—
SECOND	190	—	21	7	14	93	58	14	4	—	—	—
THIRD	102	—	1	—	1	42	35	18	6	—	—	—
FOURTH	60	—	—	—	—	14	23	16	7	—	—	—
FIFTH	41	—	—	—	—	12	17	11	1	—	—	—
SIXTH OR MORE	41	—	—	—	—	1	10	17	11	2	—	—
NOT STATED	1	—	—	—	—	—	—	1	—	—	—	—
OTHER RACES	1,035	4	61	17	44	303	347	233	73	14	—	—
FIRST	346	4	40	11	29	139	116	40	6	1	—	—
SECOND	269	—	19	6	13	93	87	57	12	1	—	—
THIRD	189	—	2	—	2	50	61	59	15	2	—	—
FOURTH	111	—	—	—	—	18	44	39	9	1	—	—
FIFTH	50	—	—	—	—	2	21	18	8	1	—	—
SIXTH OR MORE	67	—	—	—	—	—	17	20	22	8	—	—
NOT STATED	3	—	—	—	—	1	1	—	1	—	—	—
RACE NOT STATED	30	—	6	4	2	15	3	4	1	1	—	—
FIRST	12	—	5	3	2	5	1	1	—	—	—	—
SECOND	4	—	—	—	—	3	—	1	—	—	—	—
THIRD	5	—	—	—	—	5	—	—	—	—	—	—
FOURTH	2	—	—	—	—	—	1	1	—	—	—	—
FIFTH	1	—	—	—	—	—	—	1	—	—	—	—
SIXTH OR MORE	1	—	—	—	—	—	—	—	—	1	—	—
NOT STATED	5	—	1	1	—	2	1	—	1	—	—	—

TABLE A-11

LIVE BIRTHS BY AGE OF MOTHER, RACE OF INFANT AND MONTH PRENATAL CARE BEGAN, RESIDENTS: UTAH, 1983

RACE OF INFANT AND AGE OF MOTHER	TOTAL LIVE BIRTHS	MONTH PRENATAL CARE BEGAN										
		NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL	39,441	164	3,832	16,492	11,526	3,420	1,552	811	482	333	124	705
UNDER 15	33	1	4	4	7	10	2	—	1	2	—	2
TOTAL 15-19	3,630	39	234	1,083	1,039	502	303	159	95	53	33	90
15-17	1,121	17	71	265	301	184	104	72	39	21	9	38
18-19	2,509	22	163	818	738	318	199	87	56	32	24	52
20-24	13,414	50	1,377	5,634	3,890	1,094	512	295	173	111	41	237
25-29	12,492	36	1,273	5,565	3,609	960	399	201	122	94	27	206
30-34	6,983	23	690	3,045	2,130	543	215	108	56	46	13	114
35-39	2,438	13	208	1,009	714	260	100	37	27	19	9	42
40-44	427	2	45	149	127	45	18	11	8	8	1	13
45 OR MORE	23	—	1	3	10	5	3	—	—	—	—	1
NOT STATED	1	—	—	—	—	1	—	—	—	—	—	—
WHITE	37,450	129	3,668	15,942	10,981	3,206	1,415	718	410	274	93	614
UNDER 15	25	—	4	3	5	7	2	—	1	1	—	2
TOTAL 15-19	3,415	32	223	1,041	983	475	285	145	85	44	22	80
15-17	1,040	12	66	254	283	175	96	68	31	16	7	32
18-19	2,375	20	157	787	700	300	189	77	54	28	15	48
20-24	12,750	38	1,330	5,441	3,712	1,026	464	267	142	94	32	204
25-29	11,879	28	1,216	5,400	3,436	889	358	170	102	79	23	178
30-34	6,623	18	650	2,933	2,033	507	197	93	48	32	11	101
35-39	2,325	12	200	975	683	251	89	33	24	16	5	37
40-44	409	1	44	146	119	45	17	10	8	8	—	11
45 OR MORE	23	—	1	3	10	5	3	—	—	—	—	1
NOT STATED	1	—	—	—	—	1	—	—	—	—	—	—
BLACK	300	3	28	78	102	37	21	14	4	6	3	4
UNDER 15	1	—	—	—	1	—	—	—	—	—	—	—
TOTAL 15-19	42	—	3	7	15	6	2	3	1	2	2	1
15-17	17	—	2	2	6	1	2	1	1	1	—	1
18-19	25	—	1	5	9	5	—	2	—	1	2	—
20-24	110	1	8	27	37	15	9	7	1	3	—	2
25-29	103	1	13	31	38	8	8	2	1	—	—	1
30-34	34	1	2	11	7	7	1	2	1	1	1	—
35-39	9	—	1	2	4	1	1	—	—	—	—	—
40-44	1	—	1	—	—	—	—	—	—	—	—	—
INDIAN	626	22	47	168	138	71	49	33	26	35	19	18
UNDER 15	3	1	—	—	—	1	—	—	—	1	—	—
TOTAL 15-19	106	4	5	24	21	15	8	7	3	7	8	4
15-17	43	3	1	8	8	8	4	2	3	4	1	1
18-19	63	1	4	16	13	7	4	5	—	3	7	3
20-24	236	9	16	69	51	21	18	10	19	11	6	6
25-29	160	3	15	42	39	23	11	11	1	9	2	4
30-34	89	3	9	28	18	8	7	4	3	5	1	3
35-39	30	1	2	5	9	3	4	1	—	2	2	1
40-44	2	1	—	—	—	—	1	—	—	—	—	—
OTHER RACES	1,035	10	88	297	302	103	66	46	39	18	9	57
UNDER 15	4	—	—	1	1	2	—	—	—	—	—	—
TOTAL 15-19	61	3	3	11	19	5	8	4	3	—	1	4
15-17	17	2	2	1	3	—	2	1	2	—	1	3
18-19	44	1	1	10	16	5	6	3	1	—	—	1
20-24	303	2	23	92	90	32	20	11	11	3	3	16
25-29	347	4	28	91	96	40	22	18	18	6	2	22
30-34	233	1	29	72	71	19	10	9	4	8	—	10
35-39	73	—	5	27	17	5	6	3	3	1	2	4
40-44	14	—	—	3	8	—	—	1	—	—	1	1
RACE NOT STATED	30	—	1	7	3	3	1	—	3	—	—	12
UNDER 15	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL 15-19	6	—	—	—	1	1	—	—	3	—	—	1
15-17	4	—	—	—	1	—	—	—	2	—	—	1
18-19	2	—	—	—	—	1	—	—	1	—	—	—
20-24	15	—	—	5	—	—	1	—	—	—	—	9
25-29	3	—	1	1	—	—	—	—	—	—	—	1
30-34	4	—	—	1	1	2	—	—	—	—	—	—
35-39	1	—	—	—	1	—	—	—	—	—	—	—
40-44	1	—	—	—	—	—	—	—	—	—	—	1

TABLE A-12

LIVE BIRTHS BY AGE OF MOTHER, RACE OF INFANT AND NUMBER OF PRENATAL VISITS, RESIDENTS: UTAH, 1983

RACE OF INFANT AND AGE OF MOTHER	TOTAL LIVE BIRTHS	NUMBER OF PRENATAL VISITS							
		NONE	1-5	6-9	10-14	15-18	19-27	28+	NOT STATED
TOTAL	39,441	172	2,122	10,393	23,184	2,646	299	58	567
UNDER 15	33	1	7	13	11	--	--	--	1
TOTAL 15-19	3,630	40	349	1,071	1,840	224	26	2	78
15-17	1,121	16	121	340	549	55	5	--	35
18-19	2,509	24	228	731	1,291	169	21	2	43
20-24	13,414	53	687	3,538	7,891	927	102	17	199
25-29	12,492	40	571	3,163	7,598	858	91	17	154
30-34	6,983	23	317	1,804	4,206	464	59	18	92
35-39	2,438	13	155	681	1,386	146	21	3	33
40-44	427	2	35	111	244	25	--	1	9
45 OR MORE	23	--	1	11	8	2	--	--	1
NOT STATED	1	--	--	1	--	--	--	--	--
WHITE	37,450	138	1,851	9,860	22,248	2,528	289	58	478
UNDER 15	25	--	4	11	9	--	--	--	1
TOTAL 15-19	3,415	32	303	1,016	1,757	211	26	2	68
15-17	1,040	11	105	314	525	52	5	--	28
18-19	2,375	21	198	702	1,232	159	21	2	40
20-24	12,750	42	593	3,357	7,585	893	97	17	166
25-29	11,879	33	501	2,996	7,302	816	86	17	128
30-34	6,623	18	275	1,708	4,023	442	59	18	80
35-39	2,325	12	141	651	1,329	140	21	3	28
40-44	409	1	33	109	235	24	--	1	6
45 OR MORE	23	--	1	11	8	2	--	--	1
NOT STATED	1	--	--	1	--	--	--	--	--
BLACK	300	3	30	78	155	24	5	--	5
UNDER 15	1	--	1	--	--	--	--	--	--
TOTAL 15-19	42	--	8	14	16	3	--	--	1
15-17	17	--	2	9	5	1	--	--	--
18-19	25	--	6	5	11	2	--	--	1
20-24	110	1	12	30	56	5	3	--	3
25-29	103	1	4	22	63	10	2	--	1
30-34	34	1	4	12	12	5	--	--	--
35-39	9	--	1	--	7	1	--	--	--
40-44	1	--	--	--	1	--	--	--	--
INDIAN	626	21	130	175	250	29	3	--	18
UNDER 15	3	1	1	1	--	--	--	--	--
TOTAL 15-19	106	5	27	30	37	4	--	--	3
15-17	43	3	10	13	14	1	--	--	2
18-19	63	2	17	17	23	3	--	--	1
20-24	236	8	51	65	93	13	2	--	4
25-29	160	2	24	48	73	5	1	--	7
30-34	89	3	18	23	36	6	--	--	3
35-39	30	1	8	8	11	1	--	--	1
40-44	2	1	1	--	--	--	--	--	--
OTHER RACES	1,035	10	110	273	521	65	2	--	54
UNDER 15	4	--	1	1	2	--	--	--	--
TOTAL 15-19	61	3	10	9	28	6	--	--	5
15-17	17	2	4	2	4	1	--	--	4
18-19	44	1	6	7	24	5	--	--	1
20-24	303	2	31	84	153	16	--	--	17
25-29	347	4	42	96	159	27	2	--	17
30-34	233	1	20	59	133	11	--	--	9
35-39	73	--	5	22	38	4	--	--	4
40-44	14	--	1	2	8	1	--	--	2
RACE NOT STATED	30	--	1	7	10	--	--	--	12
UNDER 15	--	--	--	--	--	--	--	--	--
TOTAL 15-19	6	--	1	2	2	--	--	--	1
15-17	4	--	--	2	1	--	--	--	1
18-19	2	--	1	--	1	--	--	--	--
20-24	15	--	--	2	4	--	--	--	9
25-29	3	--	--	1	1	--	--	--	1
30-34	4	--	--	2	2	--	--	--	--
35-39	1	--	--	--	1	--	--	--	--
40-44	1	--	--	--	--	--	--	--	1

TABLE A-13

LIVE BIRTHS BY BIRTH WEIGHT, SEX AND RACE OF INFANT, RESIDENTS: UTAH, 1983

RACE AND SEX OF INFANT	TOTAL LIVE BIRTHS	BIRTH WEIGHT IN GRAMS AND POUNDS									
		UNDER 1,000 (2 LBS.3 OZ. OR LESS)	1,000-1,499 (2 LBS. 4 OZ.-3 LBS 4 OZ.)	1,500-1,999 (3 LBS. 5 OZ.-4 LBS. 6 OZ.)	2,000-2,499 (4 LBS. 7 OZ.-5 LBS. 8 OZ.)	2,500-2,999 (5 LBS. 9 OZ.-6 LBS. 9 OZ.)	3,000-3,499 (6 LBS. 10 OZ.-7 LBS. 11 OZ.)	3,500-3,999 (7 LBS. 12 OZ.-8 LBS. 13 OZ.)	4,000-4,499 (8 LBS. 14 OZ.-9 LBS. 15 OZ.)	4,500 & OVER (10 LBS. & OVER)	NOT STATED
TOTAL	39,441	124	165	394	1,507	6,248	15,225	11,841	3,308	585	44
FEMALE	19,117	65	72	205	801	3,534	7,910	5,134	1,191	190	15
MALE	20,324	59	93	189	706	2,714	7,315	6,707	2,117	395	29
WHITE	37,450	113	156	364	1,417	5,839	14,459	11,333	3,173	557	39
FEMALE	18,170	58	69	192	750	3,315	7,530	4,920	1,145	178	13
MALE	19,280	55	87	172	667	2,524	6,929	6,413	2,028	379	26
BLACK	300	3	4	7	17	68	126	59	13	3	--
FEMALE	147	3	2	2	12	35	61	27	4	1	--
MALE	153	--	2	5	5	33	65	32	9	2	--
INDIAN	626	3	1	6	26	93	239	193	55	10	--
FEMALE	291	2	--	1	15	52	124	75	18	4	--
MALE	335	1	1	5	11	41	115	118	37	6	--
OTHER RACES	1,035	5	4	16	47	245	390	248	63	15	2
FEMALE	491	2	1	9	24	130	189	106	22	7	1
MALE	544	3	3	7	23	115	201	142	41	8	1
NOT STATED	30	--	--	1	--	3	11	8	4	--	3
FEMALE	18	--	--	1	--	2	6	6	2	--	1
MALE	12	--	--	--	--	1	5	2	2	--	2

TABLE A-14

LIVE BIRTHS BY BIRTH WEIGHT AND GESTATION PERIOD, RESIDENTS: UTAH, 1983

GESTATION PERIOD IN WEEKS	TOTAL LIVE BIRTHS	BIRTH WEIGHT IN GRAMS AND POUNDS									
		UNDER 1,000 (2 LBS.3 OZ. OR LESS)	1,000-1,499 (2 LBS. 4 OZ.-3 LBS 4 OZ.)	1,500-1,999 (3 LBS. 5 OZ.-4 LBS. 6 OZ.)	2,000-2,499 (4 LBS. 7 OZ.-5 LBS. 8 OZ.)	2,500-2,999 (5 LBS. 9 OZ.-6 LBS. 9 OZ.	3,000-3,499 (6 LBS. 10 OZ.-7 LBS. 11 OZ.)	3,500-3,999 (7 LBS. 12 OZ.-8 LBS. 13 OZ.)	4,000-4,499 (8 LBS. 14 OZ.-9 LBS. 15 OZ.)	4,500 & OVER (10 LBS. & OVER)	NOT STATED
TOTAL	39,441	124	165	394	1,507	6,248	15,225	11,841	3,308	585	44
UNDER 20	9	2	--	--	--	2	1	--	1	--	3
20-27	113	79	15	6	2	1	3	5	--	--	2
28-35	1,175	29	122	223	335	242	144	65	11	2	2
36	765	1	1	26	168	269	214	69	16	1	--
37	1,424	3	2	30	169	539	462	178	31	7	3
38	3,444	--	1	22	184	905	1,523	665	124	17	3
39	7,109	1	3	22	189	1,326	3,118	1,977	409	61	3
40	9,484	--	1	16	144	1,189	3,874	3,290	834	135	1
41	7,135	--	1	12	81	715	2,655	2,652	860	157	2
42	3,784	--	2	7	52	366	1,340	1,388	511	113	5
43	1,577	--	1	1	44	165	608	526	193	39	--
44	886	1	1	1	25	103	350	288	103	13	1
45 OR MORE	1,012	--	2	1	28	155	400	306	100	20	--
NOT STATED	1,524	8	13	27	86	271	533	432	115	20	19

TABLE A-15

LIVE BIRTHS BY AGE AND EDUCATION OF MOTHER BY NUMBER OF PREVIOUS LIVE BIRTHS, RESIDENTS: UTAH, 1983

PREVIOUS LIVE BIRTHS AND AGE OF MOTHER	TOTAL LIVE BIRTHS	EDUCATION OF MOTHER			
		LESS THAN HIGH SCHOOL	HIGH SCHOOL GRADUATE	ONE OR MORE YEARS OF COLLEGE	NOT STATED
TOTAL	39,441	4,881	14,613	19,307	640
UNDER 20	3,663	1,968	1,420	160	115
20-29	25,906	2,539	10,554	12,428	385
30 AND OVER	9,871	374	2,638	6,719	140
NOT STATED	1	--	1	--	--
NO PREVIOUS LIVE BIRTH	11,858	1,901	4,329	5,394	234
UNDER 20	2,893	1,454	1,209	147	83
20-29	8,186	434	2,974	4,639	139
30 AND OVER	779	13	146	608	12
ONE PREVIOUS LIVE BIRTH	10,327	1,378	4,134	4,661	154
UNDER 20	671	444	191	12	24
20-29	8,370	902	3,603	3,752	113
30 AND OVER	1,286	32	340	897	17
TWO PREVIOUS LIVE BIRTHS	7,131	825	2,826	3,382	98
UNDER 20	83	62	16	1	4
20-29	5,390	693	2,323	2,305	69
30 AND OVER	1,658	70	487	1,076	25
THREE PREVIOUS LIVE BIRTHS	4,603	419	1,639	2,488	57
UNDER 20	7	7	--	--	--
20-29	2,682	332	1,099	1,213	38
30 AND OVER	1,913	80	539	1,275	19
NOT STATED	1	--	1	--	--
FOUR + PREVIOUS LIVE BIRTHS	5,495	354	1,680	3,379	82
UNDER 20	2	1	1	--	--
20-29	1,263	175	553	516	19
30 AND OVER	4,230	178	1,126	2,863	63
NOT STATED	27	4	5	3	15
UNDER 20	7	--	3	--	4
20-29	15	3	2	3	7
30 AND OVER	5	1	--	--	4

TABLE A-16

LIVE BIRTHS BY AGE AND EDUCATION OF PARENTS, RESIDENTS: UTAH, 1983

AGE OF PARENTS	TOTAL LIVE BIRTHS		EDUCATION OF PARENTS							
			LESS THAN HIGH SCHOOL EDUCATION		HIGH SCHOOL GRADUATE		ONE OR MORE YEARS OF COLLEGE		NOT STATED	
	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER
TOTAL	39,441	39,441	2,871	4,881	11,180	14,613	22,692	19,307	2,698	640
UNDER 15	--	33	--	31	--	--	--	--	--	2
15	4	118	3	110	--	--	--	--	1	8
16	23	347	19	326	--	6	--	--	4	15
17	94	656	74	542	14	91	1	--	5	23
18	265	1,023	101	495	147	476	7	15	10	37
19	529	1,486	168	464	298	847	55	145	8	30
20-24	8,739	13,414	1,190	1,816	3,872	6,096	3,476	5,285	201	217
25-29	13,252	12,492	725	723	4,051	4,458	8,274	7,143	202	168
30-34	8,631	6,983	274	247	1,703	1,868	6,514	4,775	140	93
35-39	3,953	2,438	142	109	630	626	3,117	1,665	64	38
40-44	1,258	427	68	16	250	131	908	272	32	8
45 OR MORE	494	23	44	2	129	13	304	7	17	1
NOT STATED	2,199	1	63	--	86	1	36	--	2,014	--

TABLE A-17

OUT-OF-WEDLOCK LIVE BIRTHS BY AGE AND EDUCATION OF PARENTS
RESIDENTS: UTAH, 1983

AGE OF PARENTS	TOTAL OUT OF WEDLOCK		EDUCATION OF PARENTS							
			LESS THAN HIGH SCHOOL EDUCATION		HIGH SCHOOL GRADUATE		ONE OR MORE YEARS OF COLLEGE		NOT STATED	
	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER	FATHER	MOTHER
TOTAL	2,962	2,962	300	1,365	404	1,035	160	449	2,098	113
UNDER 15	--	22	--	21	--	--	--	--	--	1
15	2	77	2	72	--	--	--	--	--	5
16	10	187	7	179	--	--	--	--	3	8
17	25	242	18	202	4	28	--	--	3	12
18	35	311	13	158	16	128	--	4	6	21
19	47	303	17	137	24	133	--	26	6	7
20-24	320	1,077	120	402	127	439	34	202	39	34
25-29	202	464	37	143	90	197	42	112	33	12
30-34	100	196	16	36	34	78	35	75	15	7
35-39	37	68	5	13	11	30	12	22	9	3
40-44	21	15	4	2	10	2	3	8	4	3
45 OR MORE	12	--	3	--	4	--	1	--	4	--
NOT STATED	2,151	--	58	--	84	--	33	--	1,976	--

TABLE A-18

OUT-OF-WEDLOCK LIVE BIRTHS BY RESIDENCE OF MOTHER AND AGE: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	AGE OF MOTHER								
		UNDER 15	-----15-19 YEARS---- TOTAL	15-17	18-19	20-24	25-29	30-34	35-39	40-44
TOTAL	2,962	22	1,120	506	614	1,077	464	196	68	15
DISTRICT 1	114	1	31	9	22	51	17	12	2	--
BOX ELDER	53	--	19	5	14	24	4	6	--	--
CACHE	59	1	11	4	7	27	13	5	2	--
RICH	2	--	1	--	1	--	--	1	--	--
DISTRICT 2N	651	3	262	110	152	253	83	35	12	3
DAVIS	237	1	95	34	61	95	28	11	5	2
MORGAN	5	--	4	2	2	1	--	--	--	--
WEBER	409	2	163	74	89	157	55	24	7	1
DISTRICT 2S	1,521	11	583	273	310	524	254	105	36	8
SALT LAKE	1,454	11	548	250	298	501	251	100	35	8
TOOELE	67	--	35	23	12	23	3	5	1	--
DISTRICT 3	282	1	87	38	49	115	50	20	8	1
SUMMIT	12	--	3	--	3	5	2	2	--	--
UTAH	258	1	83	38	45	103	45	17	8	1
WASATCH	12	--	1	--	1	7	3	1	--	--
DISTRICT 4	48	3	19	10	9	19	4	2	1	--
JUAB	5	--	2	2	--	2	1	--	--	--
MILLARD	10	--	5	2	3	3	2	--	--	--
PIUTE	--	--	--	--	--	--	--	--	--	--
SANPETE	18	2	5	3	2	7	1	2	1	--
SEVIER	15	1	7	3	4	7	--	--	--	--
WAYNE	--	--	--	--	--	--	--	--	--	--
DISTRICT 5	82	1	34	15	19	24	15	5	2	1
BEAVER	10	--	6	3	3	2	2	--	--	--
GARFIELD	2	--	1	--	1	1	--	-	--	--
IRON	28	1	8	5	3	12	3	4	--	--
KANE	7	--	3	1	2	3	1	--	--	--
WASHINGTON	35	--	16	6	10	6	9	1	2	1
DISTRICT 6	100	--	42	24	18	33	17	7	1	--
DAGGETT	1	--	1	1	--	--	--	--	--	--
DUCHESNE	33	--	16	11	5	12	5	--	--	--
UINTAH	66	--	25	12	13	21	12	7	1	--
DISTRICT 7	164	2	62	27	35	58	24	10	6	2
CARBON	41	1	19	12	7	11	6	2	2	--
EMERY	18	--	6	4	2	8	2	2	--	--
GRAND	28	--	13	3	10	9	2	3	--	1
SAN JUAN	77	1	24	8	16	30	14	3	4	1

TABLE A-19

LIVE BIRTHS BY AGE, MARITAL STATUS OF MOTHER, AND RACE OF INFANT, RESIDENTS: UTAH, 1983

MARITAL STATUS OF MOTHER AND RACE OF INFANT	TOTAL LIVE BIRTHS	AGE OF MOTHER										
		UNDER 15	----15-19 YEARS---- TOTAL	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
TOTAL	39,441	33	3,630	1,121	2,509	13,414	12,492	6,983	2,438	427	23	1
WHITE	37,450	25	3,415	1,040	2,375	12,750	11,879	6,623	2,325	409	23	1
BLACK	300	1	42	17	25	110	103	34	9	1	--	--
INDIAN	626	3	106	43	63	236	160	89	30	2	--	--
OTHER RACE	1,035	4	61	17	44	303	347	233	73	14	--	--
NOT STATED	30	--	6	4	2	15	3	4	1	1	--	--
BIRTHS IN WEDLOCK	36,479	11	2,510	615	1,895	12,337	12,028	6,787	2,370	412	23	1
WHITE	34,894	9	2,409	585	1,824	11,825	11,505	6,459	2,266	397	23	1
BLACK	183	--	8	3	5	70	73	25	7	--	--	--
INDIAN	399	1	42	15	27	146	112	73	24	1	--	--
OTHER RACE	982	1	50	11	39	285	335	226	72	13	--	--
NOT STATED	21	--	1	1	--	11	3	4	1	1	--	--
BIRTHS NOT IN WEDLOCK	2,962	22	1,120	506	614	1,077	464	196	68	15	--	--
WHITE	2,556	16	1,006	455	551	925	374	164	59	12	--	--
BLACK	117	1	34	14	20	40	30	9	2	1	--	--
INDIAN	227	2	64	28	36	90	48	16	6	1	--	--
OTHER RACE	53	3	11	6	5	18	12	7	1	1	--	--
NOT STATED	9	--	5	3	2	4	--	--	--	--	--	--

TABLE A-20

LIVE BIRTHS BY AGE OF MOTHER AND BIRTHWEIGHT OF INFANT, RESIDENTS: UTAH, 1983

AGE OF MOTHER	TOTAL LIVE BIRTHS	BIRTH WEIGHT IN GRAMS AND POUNDS									
		UNDER 1,000 (2 LBS. 3 OZ. OR LESS)	1,000-1,499 (2 LBS. 4 OZ.- 3 LBS 4 OZ.)	1,500-1,999 (3 LBS. 5 OZ.- 4 LBS. 6 OZ.)	2,000-2,499 (4 LBS. 7 OZ.- 5 LBS. 8 OZ.)	2,500-2,999 (5 LBS. 9 OZ.- 6 LBS. 9 OZ.)	3,000-3,499 (6 LBS. 10 OZ.- 7 LBS. 11 OZ.)	3,500-3,999 (7 LBS. 12 OZ.- 8 LBS. 13 OZ.)	4,000-4,499 (8 LBS. 14 OZ.- 9 LBS. 15 OZ.)	4,500 & OVER (10 LBS. & OVER)	NOT STATED
TOTAL	39,441	124	165	394	1,507	6,248	15,225	11,841	3,308	585	44
UNDER 15	33	--	1	1	4	7	14	6	--	--	--
TOTAL 15-19	3,630	26	33	57	210	774	1,445	860	194	26	5
15-17	1,121	11	11	24	64	255	436	257	58	4	1
18-19	2,509	15	22	33	146	519	1,009	603	136	22	4
20-24	13,414	37	64	141	573	2,384	5,485	3,727	869	115	19
25-29	12,492	36	36	96	418	1,821	4,808	3,989	1,107	173	8
30-34	6,983	23	19	59	199	914	25,29	2,315	764	154	7
35-39	2,438	2	9	35	84	289	805	801	322	87	4
40-44	427	--	3	4	19	56	130	137	49	28	1
45 OR MORE	23	--	--	1	--	3	9	5	3	2	-
NOT STATED	1	--	--	--	--	--	--	1	--	--	--

TABLE A-21

LIVE BIRTHS BY BIRTH WEIGHT OF INFANT WITH ONE OR MORE CONDITIONS REPORTED, RESIDENTS: UTAH, 1983

BIRTH WEIGHT IN GRAMS	CONDITIONS				
	COMPLICATIONS RELATED TO PREGNANCY	COMPLICATIONS NOT RELATED TO PREGNANCY	CONGENITAL ANOMALIES	BIRTH INJURIES	AT LEAST ONE CONDITION
TOTAL	8,033	2,838	1,120	2,018	11,535
UNDER 1,000	113	33	37	12	114
1,000-1,499	153	58	26	9	157
1,500-1,999	318	109	46	21	338
2,000-2,499	777	237	88	68	886
2,500-2,999	1,569	519	193	243	2,081
3,000-3,499	2,631	941	358	669	3,906
3,500-3,999	1,778	687	234	701	2,893
4,000-4,499	567	206	104	234	938
4,500 OR MORE	119	44	30	60	212
NOT STATED	8	4	4	1	10

TABLE A-22

LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN WITH ONE OR MORE CONDITIONS REPORTED, RESIDENTS: UTAH, 1983

MONTH CARE BEGAN	CONDITIONS				
	COMPLICATIONS RELATED TO PREGNANCY	COMPLICATIONS NOT RELATED TO PREGNANCY	CONGENITAL ANOMALIES	BIRTH INJURIES	AT LEAST ONE CONDITION
TOTAL	8,033	2,838	1,120	2,018	11,535
NONE	28	8	8	3	35
1	1,037	387	142	260	1,477
2	3,528	1,171	484	937	5,104
3	2,138	786	269	510	3,039
4	591	215	92	156	867
5	269	113	44	73	407
6	142	54	13	36	202
7	92	29	15	23	126
8	56	19	12	11	78
9	22	7	3	3	29
NOT STATED	130	49	38	6	171

TABLE A-23

LIVE BIRTHS BY AGE OF MOTHER WITH ONE OR MORE CONDITIONS REPORTED
RESIDENTS: UTAH, 1983

AGE OF MOTHER	CONDITIONS				
	COMPLICATIONS RELATED TO PREGNANCY	COMPLICATIONS NOT RELATED TO PREGNANCY	CONGENITAL ANOMALIES	BIRTH INJURIES	AT LEAST ONE CONDITION
TOTAL	8,033	2,838	1,120	2,018	11,535
UNDER 15	6	3	--	--	9
TOTAL 15-19	787	232	121	203	1,097
15-17	260	63	43	59	348
18-19	527	169	78	144	749
20-24	2,682	843	397	823	3,955
25-29	2,428	882	317	603	3,506
30-34	1,474	606	199	258	2,053
35-39	544	223	65	109	756
40-44	107	47	20	21	152
45 OR MORE	5	2	1	1	7

TABLE A-24

LIVE BIRTHS BY DISTRICT AND COUNTY OF RESIDENCE WITH ONE OR MORE CONDITIONS REPORTED, RESIDENTS: UTAH, 1983

RESIDENCE OF MOTHER	CONDITIONS				
	COMPLICATIONS RELATED TO PREGNANCY	COMPLICATIONS NOT RELATED TO PREGNANCY	CONGENITAL ANOMALIES	BIRTH INJURIES	AT LEAST ONE CONDITION
TOTAL	8,033	2,838	1,120	2,018	11,535
DISTRICT 1	740	159	74	99	877
BOX ELDER	199	41	28	19	242
CACHE	522	112	43	78	609
RICH	19	6	3	2	26
DISTRICT 2N	1,789	495	225	294	2,345
DAVIS	803	282	87	111	1,094
MORGAN	26	6	3	8	34
WEBER	960	207	135	175	1,217
DISTRICT 2S	3,247	1,499	354	127	4,270
SALT LAKE	3,133	1,437	341	119	4,110
TOOELE	114	62	13	8	160
DISTRICT 3	1,402	494	277	1,335	2,872
SUMMIT	49	22	5	7	70
UTAH	1,319	460	268	1,318	2,750
WASATCH	34	12	4	10	52
DISTRICT 4	202	42	25	26	254
JUAB	23	4	—	6	28
MILLARD	51	24	11	6	69
PIUTE	4	--	--	—	4
SANPETE	72	9	9	12	93
SEVIER	46	3	3	—	48
WAYNE	6	2	2	2	12
DISTRICT 5	182	39	82	5	261
BEAVER	20	4	4	3	28
GARFIELD	12	1	1	—	12
IRON	71	5	8	1	80
KANE	12	14	13	—	29
WASHINGTON	67	15	56	1	112
DISTRICT 6	297	55	37	22	344
DAGGETT	—	1	--	—	1
DUCHESNE	122	13	18	9	140
UINTAH	175	41	19	13	203
DISTRICT 7	174	55	46	110	312
CARBON	56	11	18	60	122
EMERY	38	15	8	41	79
GRAND	37	20	5	5	54
SAN JUAN	43	9	15	4	57

TABLE A-25

LIVE BIRTHS BY 5-MINUTE APGAR SCORE AND BIRTH WEIGHT OF INFANT
RESIDENTS: UTAH, 1983

FIVE MINUTE APGAR SCORE	TOTAL LIVE BIRTHS	BIRTH WEIGHT IN GRAMS AND POUNDS									
		UNDER 1,000 (2 LBS.3 OZ. OR LESS)	1,000-1,499 (2 LBS. 4 OZ.-3 LBS 4 OZ.)	1,500-1,999 (3 LBS. 5 OZ.-4 LBS. 6 OZ.)	2,000-2,499 (4 LBS. 7 OZ.-5 LBS. 8 OZ.)	2,500-2,999 (5 LBS. 9 OZ.-6 LBS. 9 OZ.)	3,000-3,499 (6 LBS. 10 OZ.-7 LBS. 11 OZ.)	3,500-3,999 (7 LBS. 12 OZ.-8 LBS. 13 OZ.)	4,000-4,499 (8 LBS. 14 OZ.-9 LBS. 15 OZ.)	4,500 & OVER (10 LBS. & OVER)	NOT STATED
TOTAL	39,441	124	165	394	1,507	6,248	15,225	11,841	3,308	585	44
00	25	18	1	--	--	--	2	1	1	--	2
01	55	31	1	4	5	4	3	4	1	--	2
02	49	14	5	5	1	6	8	7	1	1	1
03	60	7	6	7	7	12	10	7	3	1	--
04	88	12	9	12	10	12	14	13	4	2	--
05	182	10	16	15	16	33	43	38	8	2	1
06	546	9	29	54	85	86	134	107	35	6	1
07	1,257	10	33	88	149	250	343	278	92	13	1
08	5,170	8	36	95	339	981	1,826	1,338	457	89	1
09	29,437	2	26	101	819	4,488	11,810	9,250	2,497	438	6
10	2,315	--	--	5	60	341	964	723	183	32	7
NOT STATED	257	3	3	8	16	35	68	75	26	1	22

TABLE A-26

LIVE BIRTHS BY DISTRICT AND COUNTY OF RESIDENCE BY AGE OF MOTHER
WHERE MOTHER IS OF SPANISH ORIGIN, RESIDENTS: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	AGE OF MOTHER										
		UNDER 15	15-19 YEARS			20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
			TOTAL	15-17	18-19							
TOTAL	1,489	5	323	130	193	520	365	209	62	5	--	--
DISTRICT 1	65	--	10	5	5	27	11	12	5	--	--	--
BOX ELDER	35	--	4	2	2	17	5	6	3	--	--	--
CACHE	30	--	6	3	3	10	6	6	2	--	--	--
RICH	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 2N	379	1	104	30	74	131	87	45	11	--	--	--
DAVIS	123	--	26	9	17	39	32	21	5	--	--	--
MORGAN	1	--	1	1	--	--	--	--	--	--	--	--
WEBER	255	1	77	20	57	92	55	24	6	--	--	--
DISTRICT 2S	743	4	165	82	83	262	182	98	30	2	--	--
SALT LAKE	703	4	150	71	79	248	175	97	27	2	--	--
TOOELE	40	--	15	11	4	14	7	1	3	--	--	--
DISTRICT 3	158	--	16	4	12	51	47	32	10	2	--	--
SUMMIT	5	--	--	--	--	2	3	--	--	--	--	--
UTAH	152	--	16	4	12	49	43	32	10	2	--	--
WASATCH	1	--	--	--	--	--	1	--	--	--	--	--
DISTRICT 4	20	--	3	1	2	5	6	3	3	--	--	--
JUAB	2	--	--	--	--	1	1	--	--	--	--	--
MILLARD	4	--	--	--	--	1	3	--	--	--	--	--
PIUTE	1	--	--	--	--	1	--	--	--	--	--	--
SANPETE	11	--	3	1	2	2	2	2	2	--	--	--
SEVIER	2	--	--	--	--	--	--	1	1	--	--	--
WAYNE	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 5	28	--	8	2	6	10	8	2	--	--	--	--
BEAVER	3	--	--	--	--	2	1	--	--	--	--	--
GARFIELD	1	--	1	--	1	--	--	--	--	--	--	--
IRON	6	--	2	2	--	2	1	1	--	--	--	--
KANE	2	--	--	--	--	--	2	--	--	--	--	--
WASHINGTON	16	--	5	--	5	6	4	1	--	--	--	--
DISTRICT 6	33	--	6	2	4	8	14	4	1	--	--	--
DAGGETT	2	--	1	1	--	1	--	--	--	--	--	--
DUCHESNE	10	--	1	--	1	1	6	2	--	--	--	--
UINTAH	21	--	4	1	3	6	8	2	1	--	--	--
DISTRICT 7	63	--	11	4	7	26	10	13	2	1	--	--
CARBON	37	--	6	4	2	14	6	8	2	1	--	--
EMERY	10	--	2	--	2	6	2	--	--	--	--	--
GRAND	9	--	3	--	3	4	1	1	--	--	--	--
SAN JUAN	7	--	--	--	--	2	1	4	--	--	--	--

TABLE A-27

LIVE BIRTHS BY AGE OF MOTHER, RACE OF INFANT AND NUMBER OF PRENATAL VISITS WHERE MOTHER IS OF SPANISH ORIGIN, RESIDENTS: UTAH, 1983

RACE OF INFANT AND AGE OF MOTHER	TOTAL LIVE BIRTHS	NUMBER OF PRENATAL VISITS						
		NONE	1-5	6-9	10-14	15-18	19-27	NOT STATED
TOTAL	1,489	19	145	374	827	87	10	27
UNDER 15	5	--	1	3	--	--	--	1
TOTAL 15-19	323	5	44	87	169	10	2	6
15-17	130	2	13	36	71	2	2	2
18-19	193	3	31	49	98	8	--	4
20-24	520	8	52	135	273	37	5	10
25-29	365	2	30	85	216	25	1	6
30-34	209	2	12	48	130	13	1	3
35-39	62	2	6	13	37	2	1	1
40-44	5	--	--	3	2	--	--	--
WHITE	1,421	19	138	359	785	84	10	26
UNDER 15	5	--	1	3	--	--	--	1
TOTAL 15-19	315	5	42	85	166	9	2	6
15-17	124	2	11	36	69	2	2	2
18-19	191	3	31	49	97	7	--	4
20-24	494	8	49	131	256	36	5	9
25-29	350	2	30	82	204	25	1	6
30-34	196	2	11	43	124	12	1	3
35-39	56	2	5	12	33	2	1	1
40-44	5	--	--	3	2	--	--	--
BLACK	24	--	5	6	13	--	--	--
UNDER 15	--	--	--	--	--	--	--	--
TOTAL 15-19	4	--	2	1	1	--	--	--
15-17	3	--	2	1	--	--	--	--
18-19	1	--	--	--	1	--	--	--
20-24	12	--	2	2	8	--	--	--
25-29	2	--	--	1	1	--	--	--
30-34	3	--	1	2	--	--	--	--
35-39	3	--	--	--	3	--	--	--
INDIAN	17	--	--	4	11	2	--	--
UNDER 15	--	--	--	--	--	--	--	--
TOTAL 15-19	3	--	--	1	1	1	--	--
15-17	2	--	--	1	1	--	--	--
18-19	1	--	--	--	--	1	--	--
20-24	5	--	--	1	3	1	--	--
25-29	5	--	--	1	4	--	--	--
30-34	3	--	--	--	3	--	--	--
35-39	1	--	--	1	--	--	--	--
OTHER RACES	25	--	2	4	17	1	--	1
UNDER 15	--	--	--	--	--	--	--	--
TOTAL 15-19	1	--	--	--	1	--	--	--
15-17	1	--	--	--	1	--	--	--
18-19	--	--	--	--	--	--	--	--
20-24	8	--	1	1	5	--	--	1
25-29	8	--	--	1	7	--	--	--
30-34	6	--	--	2	3	1	--	--
35-39	2	--	1	--	1	--	--	--
NOT STATED	2	--	--	1	1	--	--	--
UNDER 15	--	--	--	--	--	--	--	--
TOTAL 15-19	--	--	--	--	--	--	--	--
15-17	--	--	--	--	--	--	--	--
18-19	--	--	--	--	--	--	--	--
20-24	1	--	--	--	1	--	--	--
25-29	--	--	--	--	--	--	--	--
30-34	1	--	--	1	--	--	--	--

TABLE A-28

LIVE BIRTHS BY AGE OF MOTHER, RACE OF INFANT AND MONTH PRENATAL CARE BEGAN WHERE MOTHER IS OF SPANISH ORIGIN, RESIDENTS: UTAH, 1983

RACE OF INFANT AND AGE OF MOTHER	TOTAL LIVE BIRTHS	NUMBER OF PRENATAL VISITS										
		NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL	1,489	18	119	474	457	158	94	55	45	31	7	31
UNDER 15	5	--	--	--	1	1	1	--	1	--	--	1
TOTAL 15-19	323	6	18	78	85	43	31	25	17	8	3	9
15-17	130	3	8	29	32	18	13	9	8	6	--	4
18-19	193	3	10	49	53	25	18	16	9	2	3	5
20-24	520	8	42	158	169	53	35	17	14	11	2	11
25-29	365	1	29	137	120	33	16	5	10	8	--	6
30-34	209	1	21	74	65	24	8	4	3	4	1	4
35-39	62	2	8	23	17	4	3	4	--	--	1	--
40-44	5	--	1	4	--	--	--	--	--	--	--	--
WHITE	1,421	18	112	455	435	147	91	53	43	30	7	30
UNDER 15	5	--	--	--	1	1	1	--	1	--	--	1
TOTAL 15-19	315	6	17	76	82	42	31	25	17	8	3	8
15-17	124	3	7	29	29	17	13	9	8	6	--	3
18-19	191	3	10	47	53	25	18	16	9	2	3	5
20-24	494	8	40	151	157	51	33	17	13	11	2	11
25-29	350	1	29	131	116	30	15	5	9	8	--	6
30-34	196	1	18	71	63	20	8	4	3	3	1	4
35-39	56	2	7	22	16	3	3	2	--	--	1	--
40-44	5	--	1	4	--	--	--	--	--	--	--	--
BLACK	24	--	2	3	11	5	1	--	--	1	--	1
UNDER 15	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL 15-19	4	--	--	1	2	--	--	--	--	--	--	1
15-17	3	--	--	--	2	--	--	--	--	--	--	1
18-19	1	--	--	1	--	--	--	--	--	--	--	--
20-24	12	--	1	2	7	2	--	--	--	--	--	--
25-29	2	--	--	--	--	1	1	--	--	--	--	--
30-34	3	--	--	--	1	1	--	--	--	1	--	--
35-39	3	--	1	--	1	1	--	--	--	--	--	--
INDIAN	17	--	1	5	5	3	1	1	1	--	--	--
UNDER 15	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL 15-19	3	--	--	1	1	1	--	--	--	--	--	--
15-17	2	--	--	--	1	1	--	--	--	--	--	--
18-19	1	--	--	1	--	--	--	--	--	--	--	--
20-24	5	--	--	2	1	--	1	--	1	--	--	--
25-29	5	--	--	1	2	2	--	--	--	--	--	--
30-34	3	--	1	1	1	--	--	--	--	--	--	--
35-39	1	--	--	--	--	--	--	1	--	--	--	--
OTHER RACES	25	--	4	9	6	3	1	1	1	--	--	--
UNDER 15	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL 15-19	1	--	1	--	--	--	--	--	--	--	--	--
15-17	1	--	1	--	--	--	--	--	--	--	--	--
18-19	--	--	--	--	--	--	--	--	--	--	--	--
20-24	8	--	1	2	4	--	1	--	--	--	--	--
25-29	8	--	--	5	2	--	--	--	1	--	--	--
30-34	6	--	2	1	--	3	--	--	--	--	--	--
35-39	2	--	--	1	--	--	--	1	--	--	--	--
NOT STATED	2	--	--	2	--	--	--	--	--	--	--	--
UNDER 15	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL 15-19	--	--	--	--	--	--	--	--	--	--	--	--
15-17	--	--	--	--	--	--	--	--	--	--	--	--
18-19	--	--	--	--	--	--	--	--	--	--	--	--
20-24	1	--	--	1	--	--	--	--	--	--	--	--
25-29	--	--	--	--	--	--	--	--	--	--	--	--
30-34	1	--	--	1	--	--	--	--	--	--	--	--

TABLE A-29

LIVE BIRTHS BY AGE, MARITAL STATUS OF MOTHER, AND RACE OF INFANT
WHERE MOTHER IS OF SPANISH ORIGIN, RESIDENTS: UTAH, 1983

MARITAL STATUS OF MOTHER AND RACE OF INFANT	TOTAL LIVE BIRTHS	AGE OF MOTHER								
		UNDER 15	----15-19 YEARS----			20-24	25-29	30-34	35-39	40-44
			TOTAL	15-17	18-19					
TOTAL	1,489	5	323	130	193	520	365	209	62	5
WHITE	1,421	5	315	124	191	494	350	196	56	5
BLACK	24	--	4	3	1	12	2	3	3	--
INDIAN	17	--	3	2	1	5	5	3	1	--
OTHER NONWHITE	25	--	1	1	--	8	8	6	2	--
NOT STATED	2	--	--	--	--	1	--	1	--	--
BIRTHS IN WEDLOCK	1,100	1	149	57	92	390	315	190	50	5
WHITE	1,056	1	147	55	92	373	305	179	46	5
BLACK	13	--	1	1	--	6	2	3	1	--
INDIAN	9	--	--	--	--	3	2	3	1	--
OTHER NONWHITE	20	--	1	1	--	7	6	4	2	--
NOT STATED	2	--	--	--	--	1	--	1	--	--
BIRTHS NOT IN WEDLOCK	389	4	174	73	101	130	50	19	12	--
WHITE	365	4	168	69	99	121	45	17	10	--
BLACK	11	--	3	2	1	6	--	--	2	--
INDIAN	8	--	3	2	1	2	3	--	--	--
OTHER NONWHITE	5	--	--	--	--	1	2	2	--	--

TABLE A-30

LIVE BIRTHS BY AGE OF MOTHER WITH ONE OR MORE CONDITIONS REPORTED WHERE MOTHER IS OF SPANISH ORIGIN, RESIDENTS: UTAH, 1983

AGE OF MOTHER	CONDITIONS				
	COMPLICATIONS RELATING TO PREGNANCY	COMPLICATIONS NOT RELATING TO PREGNANCY	CONGENITAL ANOMALIES	BIRTH INJURIES	AT LEAST ONE CONDITION
TOTAL	360	131	36	70	495
UNDER 15	1	--	--	--	1
TOTAL 15-19	68	18	4	15	91
15-17	32	5	1	2	36
18-19	36	13	3	13	55
20-24	120	52	15	28	172
25-29	96	31	9	16	128
30-34	57	20	6	7	75
35-39	16	9	1	3	24
40-44	2	1	1	1	4
45 OR MORE	--	--	--	--	--
NOT STATED	--	--	--	--	--

TABLE A-31

LIVE BIRTHS AND DEATHS BY COUNTY AND CITY OF OCCURRENCE AND RESIDENCE: UTAH, 1983

COUNTY AND CITY	BIRTHS		DEATHS	
	PLACE OF OCCURRENCE	PLACE OF RESIDENCE	PLACE OF OCCURRENCE	PLACE OF RESIDENCE
TOTAL	40,614	39,441	8,834	8,484
BEAVER	122	115	34	46
BEAVER CITY	93	45	22	21
MILFORD	29	24	9	12
MINERSVILLE	--	26	1	8
BALANCE OF COUNTY	--	20	2	5
BOX ELDER	666	868	172	194
BRIGHAM CITY	515	340	100	85
TREMONTON	142	103	42	31
CORINNE	--	14	2	3
GARLAND	--	47	3	9
HONEYVILLE	--	25	3	4
PERRY	2	27	2	5
BEAR RIVER	--	15	--	1
WILLARD	1	46	4	11
BALANCE OF COUNTY	6	251	16	45
CACHE	2,138	1,831	291	309
LOGAN	2,124	980	227	134
SMITHFIELD	--	148	8	30
LEWISTON	2	50	3	6
HYDE PARK	--	40	4	9
NEWTON	--	16	2	8
NORTH LOGAN	1	35	2	8
PROVIDENCE	--	66	4	11
RICHMOND	--	61	4	10
RIVER HEIGHTS	--	18	1	2
HYRUM	5	139	9	24
WELLSVILLE	--	54	3	8
CLARKSTON	1	18	1	4
MENDON	--	19	9	11
MILLVILLE	--	33	2	7
NIBLEY	--	33	2	5
PARADISE	1	12	1	1
BALANCE OF COUNTY	4	109	9	31
CARBON	768	518	161	162
EAST CARBON	--	32	1	12
HELPER	--	53	8	32
PRICE	2	222	26	78
SUNNYSIDE	--	13	1	2
WELLINGTON	--	45	1	8
BALANCE OF COUNTY	766	153	124	30
DAGGETT	--	18	3	3
MANILA	--	12	--	2
DUTCH JOHN	--	--	--	1
BALANCE OF COUNTY	--	6	3	--
DAVIS	2,659	3,922	501	609
BOUNTIFUL	1,395	702	259	187
CENTERVILLE	1	228	10	32
CLEARFIELD	3	484	49	69
FARMINGTON	--	157	4	18
KAYSVILLE	8	262	13	42
LAYTON	648	752	116	107
N SALT LAKE	2	175	5	14
SUNSET	2	131	3	30
SOUTH WEBER	--	40	3	6
CLINTON	2	199	6	21
SYRACUSE	1	129	3	11
WEST POINT	1	64	2	10
WOODS CROSS	--	105	2	5
EAST LAYTON	--	1	--	--
FRUIT HEIGHTS	--	43	2	7

TABLE A-31 Continued

LIVE BIRTHS AND DEATHS BY COUNTY AND CITY OF OCCURRENCE AND RESIDENCE: UTAH, 1983

COUNTY AND CITY	BIRTHS		DEATHS	
	PLACE OF OCCURRENCE	PLACE OF RESIDENCE	PLACE OF OCCURRENCE	PLACE OF RESIDENCE
DAVIS COUNTY (CONT.)				
WEST BOUNTIFUL	1	116	5	14
VAL VERDE	1	122	9	27
BALANCE OF COUNTY	594	212	10	9
DUCHESNE	547	449	81	85
ROOSEVELT	543	155	59	27
DUCHESNE CITY	--	69	2	6
MYTON	--	22	1	7
BALANCE OF COUNTY	4	203	19	45
EMERY	9	396	43	69
GREEN RIVER	--	19	1	8
FERRON	--	67	17	13
CASTLE DALE	--	64	10	11
HUNTINGTON	1	95	4	18
ORANGEVILLE	1	57	1	5
CLEVELAND	1	12	1	5
BALANCE OF COUNTY	6	82	9	9
GARFIELD	110	102	32	23
PANGUITCH	110	39	24	9
ESCALANTE	--	18	1	4
BALANCE OF COUNTY	--	45	7	10
GRAND	188	190	45	47
MOAB	188	123	26	34
BALANCE OF COUNTY	--	67	19	13
IRON	450	450	90	90
CEDAR CITY	445	316	68	59
PAROWAN	--	28	9	17
ENOCH	2	3	1	2
BALANCE OF COUNTY	3	103	12	12
JUAB	98	135	37	41
NEPHI	95	87	27	25
EUREKA	--	9	1	8
MONA	1	9	1	5
BALANCE OF COUNTY	2	30	8	3
KANE	108	110	32	28
KANAB	106	67	16	15
ORDERVILLE	--	1	--	--
BALANCE OF COUNTY	2	42	16	13
MILLARD	229	292	69	89
DELTA	153	86	26	23
FILLMORE	71	57	23	23
HINCKLEY	--	25	--	1
KANOSH	3	8	1	5
BALANCE OF COUNTY	2	116	19	37
MORGAN	--	103	14	24
MORGAN CITY	--	62	7	16
BALANCE OF COUNTY	--	41	7	8
PIUTE	--	27	7	19
MARYSVALE	--	7	1	6
CIRCLEVILLE	--	11	2	7
BALANCE OF COUNTY	--	9	4	6
RICH	--	80	5	9
RANDOLPH	--	23	1	2
WOODRUFF	--	10	--	2
BALANCE OF COUNTY	--	47	4	5

TABLE A-31 Continued

LIVE BIRTHS AND DEATHS BY COUNTY AND CITY OF OCCURRENCE AND RESIDENCE: UTAH, 1983

COUNTY AND CITY	BIRTHS		DEATHS	
	PLACE OF OCCURRENCE	PLACE OF RESIDENCE	PLACE OF OCCURRENCE	PLACE OF RESIDENCE
SALT LAKE	17,141	15,699	4,259	3,640
KEARNS	8	616	23	75
MAGNA	13	529	18	60
MIDVALE	4	346	16	67
MURRAY	2,740	593	367	180
RIVERTON	7	228	4	30
SALT LAKE CITY	10,071	3,816	2,418	1,607
SANDY	965	1,447	108	132
S SALT LAKE	3	347	65	110
WEST JORDAN	55	935	18	68
COTTONWOOD	18	761	64	191
WEST VALLEY CITY	499	2,031	204	267
HOLLADAY	8	390	107	154
SOUTH JORDAN	5	206	4	18
WHITE CITY	3	141	5	17
EAST MILLCREEK	9	440	153	188
GRANITE PARK	4	187	6	26
MT OLYMPUS	--	77	7	28
DRAPER	3	79	22	29
BLUFFDALE	15	40	3	7
E. MIDVALE-UNION	6	246	15	40
BENNION	5	244	51	22
TAYLORSVILLE	12	391	18	80
BALANCE OF COUNTY	2,688	1,609	563	244
SAN JUAN	273	326	65	64
BLANDING	5	93	12	17
MONTICELLO	163	50	17	7
MONUMENT VALLEY	101	8	11	2
BALANCE OF COUNTY	4	175	25	38
SANPETE	385	411	94	131
EPHRAIM	--	72	6	18
MANTI	--	49	3	19
FOUNTAIN GREEN	--	6	1	6
GUNNISON	234	45	34	10
FAIRVIEW	1	29	2	5
MORONI	--	36	3	10
MT PLEASANT	148	50	30	26
SPRING CITY	--	13	2	7
CENTERFIELD	--	23	3	10
BALANCE OF COUNTY	2	88	10	20
SEVIER	355	368	97	120
RICHFIELD	355	148	78	50
AURORA	--	25	1	4
SALINA	--	46	4	15
ELSINORE	--	12	--	5
GLENWOOD	--	15	1	3
MONROE	--	40	2	17
REDMOND	--	11	1	8
ANNABELLA	--	9	1	3
BALANCE OF COUNTY	--	62	9	15
SUMMIT	2	268	30	46
PARK CITY	--	61	6	8
HENEFER	--	18	1	1
KAMAS	--	40	2	7
COALVILLE	1	31	3	4
OAKLEY	--	8	1	2
BALANCE OF COUNTY	1	110	17	24
TOOELE	226	548	120	154
GRANTSVILLE	--	95	6	21
TOOELE CITY	224	272	99	111
STOCKTON	--	7	--	3

TABLE A-31 Continued

LIVE BIRTHS AND DEATHS BY COUNTY AND CITY OF OCCURRENCE AND RESIDENCE: UTAH, 1983

COUNTY AND CITY	BIRTHS		DEATHS	
	PLACE OF OCCURRENCE	PLACE OF RESIDENCE	PLACE OF OCCURRENCE	PLACE OF RESIDENCE
TOOELE COUNTY (CONT.)				
DUGWAY	--	46	--	1
WENDOVER	1	47	4	4
BALANCE OF COUNTY	1	81	11	14
UINTAH	526	735	81	117
VERNAL	523	189	58	39
FT DUCHESNE	--	16	2	2
BALLARD	--	5	--	--
BALANCE OF COUNTY	3	525	21	76
UTAH	7,429	7,111	1,086	1,064
AMERICAN FORK	985	361	112	87
LEHI	3	193	14	36
OREM	992	1,986	134	208
PAYSON	1,083	282	140	42
PLEASANT GROVE	4	315	29	63
PROVO	4,327	2,514	554	347
SPANISH FORK	6	316	19	53
SPRINGVILLE	6	401	34	93
ALPINE	--	61	2	6
GOSHEN	--	9	2	6
SALEM	2	58	1	18
SANTAQUIN	3	78	2	11
LINDON	4	69	2	15
MAPLETON	--	71	3	10
GENOLA	--	14	--	1
CEDAR HILLS	--	15	--	--
HIGHLAND	3	71	1	8
BALANCE OF COUNTY	11	297	37	60
WASATCH	210	199	52	57
HEBER	209	110	43	40
MIDWAY	--	28	2	4
BALANCE OF COUNTY	1	61	7	13
WASHINGTON	1,082	756	250	233
ST GEORGE	914	369	190	136
COLORADO CITY	160	53	2	3
ENTERPRISE	--	36	2	5
HURRICANE	5	80	21	28
LAVERKIN	1	34	2	5
BLOOMINGTON	--	7	1	3
WASHINGTON CITY	1	84	3	15
SANTA CLARA	--	39	2	6
IVINS	--	19	--	1
BALANCE OF COUNTY	1	35	27	31
WAYNE	--	56	1	12
LOA	--	14	--	1
BALANCE OF COUNTY	--	42	1	11
WEBER	4,893	3,358	1,082	999
NORTH OGDEN	3	187	9	37
OGDEN	3,434	1,626	633	590
RIVERDALE	3	161	3	34
ROY	2	419	61	99
SOUTH OGDEN	2	193	13	55
WASHINGTON TERRACE	1,442	153	302	50
HARRISVILLE	2	56	2	6
HUNTSVILLE	1	23	1	7
PLAIN CITY	--	51	5	13
PLEASANT VIEW	2	63	5	23
UINTAH	--	28	3	7
BALANCE OF COUNTY	2	398	45	78

TABLE A-32

LIVE BIRTHS, PREMATURE LIVE BIRTHS, FETAL DEATHS AND SELECTED CAUSES OF INFANT MORTALITY
BY INSTITUTION AND COUNTY OF OCCURRENCE: UTAH, 1983

COUNTY AND INSTITUTION	LIVE BIRTHS TOTAL	LIVE BIRTHS PREMATURE	FETAL DEATHS	INFANT DEATHS	SELECTED CAUSES: NERVOUS SYSTEM (320-359)	SELECTED CAUSES: RESPIRATORY SYSTEM (460-519)	SELECTED CAUSES: CONGENITAL ANOMALIES (740-759)	SELECTED CAUSES: RESPIRATORY DISTRESS SYNDROME (769)	SELECTED CAUSES: COMPLICATIONS OF PREGNANCY (760-779)	SELECTED CAUSES: SUDDEN INFANT DEATHS (798.0)	SELECTED CAUSES: ALL OTHER CAUSES
TOTAL	40,896	2,319	280	409	9	7	116	55	121	67	34
TOTAL OUT OF STATE	282	23	—	12	—	—	4	2	1	—	5
OUT OF STATE HOSP	275	23	—	10	—	—	3	2	1	—	4
HOME	5	—	—	—	—	—	—	—	—	—	—
ENROUTE	2	—	—	—	—	—	—	—	—	—	—
OTHER LOCATION	—	—	—	2	—	—	1	—	—	—	1
BEAVER	122	2	1	—	—	—	—	—	—	—	—
BEAVER VALLEY	93	2	1	—	—	—	—	—	—	—	—
MILFORD VALLEY	29	—	—	—	—	—	—	—	—	—	—
BOX ELDER	666	21	3	2	—	—	—	—	2	—	—
BRIGHAM CITY COMM	507	18	3	2	—	—	—	—	2	—	—
BEAR RIVER VALLEY	141	3	—	—	—	—	—	—	—	—	—
HOME	17	—	—	—	—	—	—	—	—	—	—
ENROUTE	1	—	—	—	—	—	—	—	—	—	—
CACHE	2,138	103	5	7	—	—	2	—	3	2	—
LOGAN REGIONAL	2,115	100	5	7	—	—	2	—	3	2	—
HOME	23	3	—	—	—	—	—	—	—	—	—
CARBON	768	42	7	4	—	—	1	—	2	—	1
CASTLEVIEW HOSP	765	41	7	3	—	—	1	—	2	—	—
HOME	3	1	—	1	—	—	—	—	—	—	1
DAVIS	2,659	139	19	12	2	—	4	—	—	4	2
USAF HOSP HILL	587	27	3	—	—	—	—	—	—	—	—
LAKEVIEW	1,385	73	9	2	1	—	1	—	—	—	—
HUMANA HOSPITAL	640	38	7	2	—	—	1	—	—	1	—
MATERNITY HOME	3	—	—	—	—	—	—	—	—	—	—
HOME	43	1	—	6	1	—	1	—	—	3	1
NURSING HOME	—	—	—	2	—	—	1	—	—	—	1
DR. OFFICE	1	—	—	—	—	—	—	—	—	—	—
DUCHESNE	547	25	3	4	—	—	2	—	—	2	—
DUCHENSE CO	543	25	3	2	—	—	1	—	—	1	—
HOME	4	—	—	2	—	—	1	—	—	1	—
EMERY	9	1	—	—	—	—	—	—	—	—	—
HOME	8	—	—	—	—	—	—	—	—	—	—
ENROUTE	1	1	—	—	—	—	—	—	—	—	—
GARFIELD	110	3	1	—	—	—	—	—	—	—	—
GARFIELD MEMORIAL	109	3	1	—	—	—	—	—	—	—	—
ENROUTE	1	—	—	—	—	—	—	—	—	—	—
GRAND COUNTY	188	9	1	—	—	—	—	—	—	—	—
ALLEN MEMORIAL	187	9	1	—	—	—	—	—	—	—	—
HOME	1	—	—	—	—	—	—	—	—	—	—
IRON	450	16	1	3	—	—	—	—	—	2	1
VALLEY VIEW	443	16	1	3	—	—	—	—	—	2	1
HOME	7	—	—	—	—	—	—	—	—	—	—
JUAB	98	2	1	—	—	—	—	—	—	—	—
JUAB COUNTY HOSPITAL	94	2	1	—	—	—	—	—	—	—	—
HOME	4	—	—	—	—	—	—	—	—	—	—
KANE	108	8	—	—	—	—	—	—	—	—	—
KANE COUNTY HOSPITAL	105	8	—	—	—	—	—	—	—	—	—
HOME	3	—	—	—	—	—	—	—	—	—	—
MILLARD	229	5	2	3	—	—	1	—	1	1	—
FILLMORE	71	4	2	1	—	—	—	—	1	—	—
WEST MILLARD	153	1	—	—	—	—	—	—	—	—	—
HOME	5	—	—	2	—	—	1	—	—	1	—

TABLE A-32 Continued

LIVE BIRTHS, PREMATURE LIVE BIRTHS, FETAL DEATHS AND SELECTED CAUSES OF INFANT MORTALITY
BY INSTITUTION AND COUNTY OF OCCURRENCE: UTAH, 1983

COUNTY AND INSTITUTION	LIVE BIRTHS TOTAL	LIVE BIRTHS PREMATURE	FETAL DEATHS	INFANT DEATHS	SELECTED CAUSES: NERVOUS SYSTEM (320-359)	RESPIRATORY SYSTEM (460-519)	CONGENITAL ANOMALIES (740-759)	RESPIRATORY DISTRESS SYNDROME (769)	COMPLICATIONS OF PREGNANCY (760-779)	SUDDEN INFANT DEATHS (798.0)	ALL OTHER CAUSES
SALT LAKE	17,141	1,121	124	253	3	3	80	40	74	35	18
JORDAN HOLY CROSS	38	—	—	—	—	—	—	—	—	—	—
ALTA VIEW	951	38	7	3	—	—	—	1	1	1	—
COTTONWOOD	2,537	87	10	5	—	—	1	—	2	1	1
HOLY CROSS	3,389	135	12	5	—	—	3	—	1	—	1
L D S	5,038	253	43	16	—	—	7	1	8	—	—
PRIMARY CHILD	—	—	—	110	2	1	46	15	23	13	10
ST MARKS	2,657	141	21	7	—	1	1	—	2	2	1
UNIV MED CENTER	1,539	426	26	81	1	—	20	23	34	—	3
PIONEER VALLEY	478	23	5	7	—	—	—	—	2	4	1
HOME	272	14	—	18	—	1	2	—	1	14	—
UTAH WOMENS CLINIC	43	2	—	—	—	—	—	—	—	—	—
BIRTH FAMILY CENTER	193	2	—	—	—	—	—	—	—	—	—
ENROUTE	6	—	—	—	—	—	—	—	—	—	—
OTHER LOCATION	—	—	—	1	—	—	—	—	—	—	1
SAN JUAN	273	10	2	—	—	—	—	—	—	—	—
MONUMENT VALLEY	100	4	1	—	—	—	—	—	—	—	—
SAN JUAN COUNTY	163	5	1	—	—	—	—	—	—	—	—
CLINIC	6	1	—	—	—	—	—	—	—	—	—
HOME	4	—	—	—	—	—	—	—	—	—	—
SANPETE	385	8	3	2	—	—	—	—	—	2	—
GUNNISON VALLEY	234	4	2	—	—	—	—	—	—	—	—
SANPETE VALLEY	147	4	1	—	—	—	—	—	—	—	—
HOME	4	—	—	1	—	—	—	—	—	1	—
NURSING HOME	—	—	—	1	—	—	—	—	—	1	—
SEVIER	355	17	2	4	1	—	—	—	1	1	1
SEVIER VALLEY	352	17	2	3	—	—	—	—	1	1	1
HOME	1	—	—	1	1	—	—	—	—	—	—
CLINIC	1	—	—	—	—	—	—	—	—	—	—
ENROUTE	1	—	—	—	—	—	—	—	—	—	—
SUMMIT	2	—	—	—	—	—	—	—	—	—	—
HOME	1	—	—	—	—	—	—	—	—	—	—
OTHER LOCATION	1	—	—	—	—	—	—	—	—	—	—
TOOELE	226	12	—	4	—	1	1	—	—	—	2
TOOELE VALLEY	224	11	—	3	—	1	1	—	—	—	1
HOME	2	1	—	1	—	—	—	—	—	—	1
UINTAH	526	30	4	2	—	—	—	—	—	1	1
ASHLEY VALLEY	522	30	4	1	—	—	—	—	—	—	1
HOME	4	—	—	1	—	—	—	—	—	1	—
UTAH	7,429	353	50	50	—	2	12	8	17	9	2
AMERICAN FORK	981	33	14	5	—	—	1	—	2	2	—
MOUNTAIN VIEW	1,077	60	5	4	—	—	2	—	1	1	—
OREM COMMUNITY	964	14	2	—	—	—	—	—	—	—	—
UTAH VALLEY	4,201	235	29	32	—	2	5	8	13	3	1
UTAH BIRTH & FAMILY CENTER	78	—	—	—	—	—	—	—	—	—	—
HOME	123	11	—	9	—	—	4	—	1	3	1
ENROUTE	5	—	—	—	—	—	—	—	—	—	—
WASATCH	210	5	5	—	—	—	—	—	—	—	—
WASATCH CO. HOSPITAL	209	5	4	—	—	—	—	—	—	—	—
HOME	1	—	1	—	—	—	—	—	—	—	—
WASHINGTON	1,082	33	9	5	1	—	2	—	1	1	—
DIXIE MEDICAL CENTER	910	27	8	3	—	—	2	—	1	—	—
HOME	13	—	1	2	1	—	—	—	—	1	—
MATERNITY HOME	159	6	—	—	—	—	—	—	—	—	—
WEBER	4,893	331	37	42	2	1	7	5	19	7	1
MCKAY DEE	3,419	275	27	33	1	1	6	5	17	3	—
ST BENEDICTS	1,441	53	10	4	—	—	1	—	2	—	1
HOME	33	3	—	4	1	—	—	—	—	3	—
NURSING HOME	—	—	—	1	—	—	—	—	—	1	—

TABLE A-33

FETAL DEATHS BY RESIDENCE OF MOTHER AND AGE
RESIDENTS: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL FETAL DEATHS	AGE OF MOTHER									
		15-19 YEARS			20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
		TOTAL	15-17	18-19							
TOTAL	270	29	12	17	78	90	47	21	3	1	1
DISTRICT 1	6	--	--	--	2	3	1	--	--	--	--
BOX ELDER	2	--	--	--	1	--	1	--	--	--	--
CACHE	4	--	--	--	1	3	--	--	--	--	--
RICH	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 2N	56	5	1	4	14	24	12	--	1	--	--
DAVIS	26	3	--	3	1	17	5	--	--	--	--
MORGAN	1	--	--	--	--	1	--	--	--	--	--
WEBER	29	2	1	1	13	6	7	--	1	--	--
DISTRICT 2S	114	9	3	6	36	31	22	13	2	--	1
SALT LAKE	110	9	3	6	35	29	22	13	1	--	1
TOOELE	4	--	--	--	1	2	--	--	1	--	--
DISTRICT 3	53	11	7	4	13	18	7	3	--	1	--
SUMMIT	--	--	--	--	--	--	--	--	--	--	--
UTAH	49	11	7	4	12	17	6	2	--	1	--
WASATCH	4	--	--	--	1	1	1	1	--	--	--
DISTRICT 4	11	1	--	1	2	5	2	1	--	--	--
JUAB	1	--	--	--	--	1	--	--	--	--	--
MILLARD	2	--	--	--	--	1	--	1	--	--	--
PIUTE	--	--	--	--	--	--	--	--	--	--	--
SANPETE	3	--	--	--	--	1	2	--	--	--	--
SEVIER	5	1	--	1	2	2	--	--	--	--	--
WAYNE	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 5	12	--	--	--	6	3	--	3	--	--	--
BEAVER	1	--	--	--	--	1	--	--	--	--	--
GARFIELD	1	--	--	--	1	--	--	--	--	--	--
IRON	2	--	--	--	--	--	--	2	--	--	--
KANE	--	--	--	--	--	--	--	--	--	--	--
WASHINGTON	8	--	--	--	5	2	--	1	--	--	--
DISTRICT 6	7	2	1	1	2	2	1	--	--	--	--
DAGGETT	--	--	--	--	--	--	--	--	--	--	--
DUCHESNE	2	1	--	1	--	--	1	--	--	--	--
UINTAH	5	1	1	--	2	2	--	--	--	--	--
DISTRICT 7	11	1	--	1	3	4	2	1	--	--	--
CARBON	4	1	--	1	1	1	1	--	--	--	--
EMERY	3	--	--	--	1	2	--	--	--	--	--
GRAND	2	--	--	--	--	--	1	1	--	--	--
SAN JUAN	2	--	--	--	1	1	--	--	--	--	--

TABLE A-34

FETAL DEATHS BY SELECTED CAUSES AND SEX, RESIDENTS: UTAH, 1983

CAUSE OF FETAL DEATH, NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES		TOTAL FETAL DEATHS	SEX OF FETUS		
			MALE	FEMALE	UNKNOWN
740-779.9	TOTAL FETAL DEATHS, ALL CAUSES	270	141	127	2
740-759	CONGENITAL ANOMALIES	25	11	14	--
740	ANENCEPHALUS	5	4	1	--
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	3	1	2	--
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	1	1	--	--
746	OTHER CONGENITAL ANOMALIES OF HEART	2	1	1	--
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	1	--	--
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	1	--	1	--
758	CHROMOSOMAL ANOMALIES	3	1	2	--
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	9	2	7	--
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	19	8	11	--
760.0	MATERNAL HYPERTENSIVE DISORDERS	6	3	3	--
760.2	MATERNAL INFECTIONS	1	--	1	--
760.3	MATERNAL CIRCULATORY AND RESPIRATORY DISEASES	1	1	--	--
760.5	MATERNAL INJURY	7	1	6	--
760.6	MATERNAL SURGERY	1	--	1	--
760.8	OTHER	3	3	--	--
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	37	25	11	1
761.0	INCOMPETENT CERVIX	8	6	2	--
761.1	PREMATURE RUPTURE OF MEMBRANES	15	12	2	1
761.3	POLYHYDRAMNIOS	3	--	3	--
761.5	MULTIPLE PREGNANCY	11	7	4	--
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF OF PLACENTA, CORD AND MEMBRANES	126	60	66	--
762.0	PLACENTA PRAEVIA	1	1	--	--
762.1	OTHER FORMS OF PLACENTAL SEPARATION AND HAEMORRHAGE	28	14	14	--
762.2	OTHER AND UNSPECIFIED MORPHOLOGICAL AND FUNCTIONAL ABNORMALITIES OF PLACENTA	15	9	6	--
762.3	PLACENTAL TRANSFUSION SYNDROMES	1	--	1	--
762.4	PROLAPSED CORD	3	2	1	--
762.5	OTHER COMPRESSION OF UMBILICAL CORD	51	18	33	--
762.6	OTHER AND UNSPECIFIED CONDITIONS OF UMBILICAL CORD	24	14	10	--
762.7	CHORIOAMNIONITIS	2	1	1	--
762.8	OTHER ABNORMALITIES OF CHORION AND AMNION	1	1	--	--
763	FETUS OR NEWBORN AFFECTED BY OTHER COMPLICATIONS LABOR AND DELIVERY	2	--	2	--
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	2	1	--	1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	17	9	8	--
773-774	HAEMOLYTIC DISEASE OF FETUS OR NEWBORN, DUE TO ISOIMMUNIZATION, AND OTHER PERINATAL JAUNDICE	3	3	--	--
773	HAEMOLYTIC DISEASE OF FETUS OR NEWBORN, DUE TO ISOIMMUNIZATION	3	3	-	-
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	35	22	13	--
	OTHER	4	2	2	--

TABLE A-35

INFANT MORTALITY FOR SELECTED CAUSES BY AGE, RACE AND SEX
RESIDENTS: UTAH, 1983

CAUSE OF INFANT DEATH, NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES	SEX	TOTAL	RACE		AGE				
			WHITE	NON-WHITE	28 DAYS TO UNDER 1 YEAR	TOTAL UNDER 28 DAYS	7-27 DAYS	1-6 DAYS	UNDER 1 DAY
ALL CAUSES	T	344	330	14	134	210	35	49	126
	M	198	191	7	85	113	18	29	66
	F	145	139	6	49	96	17	20	59
	U	1	--	1	--	1	--	--	1
CERTAIN INTESTINAL INFECTIONS (008-009)	M	1	1	--	1	--	--	--	--
SEPTICEMIA (038)	M	1	1	--	1	--	--	--	--
VIRAL DISEASES (045-079)	M	2	2	--	1	1	1	--	--
	F	1	1	--	1	--	--	--	--
MALIGNANT NEOPLASMS (140-208)	M	2	2	--	1	1	--	--	1
	F	2	2	--	1	1	--	1	--
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE (210-239)	M	--	--	--	--	--	--	--	--
MENINGITIS (320-322)	M	3	3	--	3	--	--	--	--
	F	2	2	--	2	--	--	--	--
OTHER DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS (323-389)	M	4	4	--	4	--	--	--	--
ACUTE UPPER RESPIRATORY INFECTIONS (460-465)	M	1	1	--	1	--	--	--	--
BRONCHITIS AND BRONCHIOLITIS (466, 490-491)	M	1	1	--	1	--	--	--	--
REMAINDER OF DISEASES OF RESPIRATORY SYSTEM (470-478, 492-519)	M	5	5	--	5	--	--	--	--
CONGENITAL ANOMALIES (740-759)	M	52	51	1	15	37	8	11	18
	F	35	33	2	8	27	5	8	14
ANENCEPHALUS AND SIMILAR ANOMALIES (740)	M	3	2	1	--	3	--	1	2
	F	4	3	1	--	4	--	1	3
SPINA BIFIDA (741)	M	1	1	--	1	--	--	--	--
CONGENITAL HYDROCEPHALUS (742.3)	M	2	2	--	1	1	--	--	1
	F	1	1	--	1	--	--	--	--
OTHER CONGENITAL ANOMALIES OF CENTRAL NERVOUS SYSTEM AND EYE (742.0-742.2, 742.4-742.9, 743)	M	2	2	--	--	2	1	1	--
	F	5	5	--	1	4	--	3	1
CONGENITAL ANOMALIES OF HEART (746-746)	M	17	17	--	11	6	3	2	1
	F	6	6	--	2	4	1	1	2
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM (747)	M	7	7	--	--	7	2	4	1
	F	3	2	1	1	2	1	1	--
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM (748)	M	11	11	--	--	11	--	2	9
	F	2	2	--	--	2	--	--	2
	F	3	3	--	3	--	--	--	--
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM (752-753)	M	1	1	--	--	1	--	--	1
	F	2	2	--	--	2	--	1	1
CONGENITAL ANOMALIES OF MUSCULOSKELETAL SYSTEM (754-756)	M	1	1	--	--	1	--	1	--
	F	2	2	--	--	2	1	1	--
ALL OTHER AND UNSPECIFIED CONGENITAL ANOMALIES (744, 757, 759)	M	7	7	--	2	5	2	--	3
	F	7	7	--	--	7	2	--	5
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)	M	79	76	3	6	73	8	18	47
	F	66	63	3	3	63	8	11	44
	U	1	--	1	--	1	--	--	1
NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY (760)	M	--	--	--	--	--	--	--	--
	F	1	1	--	1	--	--	--	--
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY (761)	M	5	5	--	--	5	--	--	5
	F	6	6	--	--	6	--	--	6
NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES (762)	M	6	6	--	--	6	--	1	5
	F	5	4	1	--	5	--	--	5
	U	1	--	1	--	1	--	--	1
NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY (763)	M	1	1	--	--	1	--	1	--
	F	3	1	1	--	2	--	--	2
SLOW FETAL GROWTH AND FETAL MALNUTRITION (764)	M	--	--	--	--	--	--	--	--
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT (765)	M	9	8	1	--	9	--	--	9
	F	11	10	1	--	11	--	--	11
DISORDERS RELATING TO LONG GESTATION AND HIGH BIRTHWEIGHT (766)	M	--	--	--	--	--	--	--	--
BIRTH TRAUMA (767)	M	3	3	--	1	2	1	1	--
	F	2	2	--	--	2	1	1	--
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA (768)	M	3	3	--	1	2	--	1	1
	F	1	1	--	--	1	--	--	1
FETAL DISTRESS IN LIVEBORN INFANT (768.2-768.4)	M	1	1	--	--	1	--	--	1
BIRTH ASPHIXIA (768.5-768.9)	M	2	2	--	1	1	--	1	--
	F	1	1	--	--	1	--	--	1
RESPIRATORY DISTRESS SYNDROME (769)	M	27	27	--	1	26	4	11	11
	F	19	19	--	--	19	3	6	10
OTHER RESPIRATORY CONDITIONS OF NEWBORN (770)	M	11	11	--	2	9	1	1	7
	F	7	7	--	1	6	1	--	5
INFECTIONS SPECIFIC TO PERINATAL PERIOD (771)	M	5	4	1	--	5	--	--	5
	F	3	3	--	--	3	1	1	1
NEONATAL HEMORRHAGE (772)	M	1	1	--	--	1	--	1	--
	F	3	3	--	--	3	1	2	--
SYNDROME OF "INFANT OF A DIABETIC MOTHER" AND NEONATAL DIABETES MELITUS (775.0-775.1)	M	1	1	--	--	1	--	--	1
ALL OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (775.2-775.9, 776.1-779)	M	7	6	1	1	6	2	1	3
	F	6	6	--	1	5	1	1	3
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS (780-799)	M	35	33	2	34	1	1	--	--
	F	30	30	--	26	4	4	--	--
SUDDEN INFANT DEATH SYNDROME (798.0)	M	33	32	1	32	1	1	--	--
	F	30	30	--	26	4	4	--	--
SYMPTOMS, SIGNS, AND ALL OTHER ILL-DEFINED CONDITIONS (780-797, 798.1-799)	M	2	1	1	2	--	--	--	--
ACCIDENTS AND ADVERSE EFFECTS (E800-E949)	M	6	5	1	6	--	--	--	--
	F	5	4	1	4	1	--	--	1
INHALATION AND INGESTION OF FOOD OR OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR ACCIDENTAL MECHANICAL SUFFOCATION (E913)	M	1	1	--	1	--	--	--	--
OTHER ACCIDENTAL CAUSES AND ADVERSE EFFECTS (E800-E910, E914-E949)	M	5	5	--	5	--	--	--	--
	F	5	4	1	4	1	--	--	1
HOMICIDE (E960-E969)	M	3	3	--	3	--	--	--	--
	F	1	1	--	1	--	--	--	--
CHILD BATTERING AND OTHER MALTREATMENT (E967)	M	2	2	--	2	--	--	--	--
	F	1	1	--	1	--	--	--	--
OTHER HOMICIDE (E960-E966, E968-E969)	M	1	1	--	1	--	--	--	--
ALL OTHER CAUSES	M	3	2	1	3	--	--	--	--
	F	3	3	--	3	--	--	--	--

TABLE A-36

INFANT, NEONATAL, AND PERINATAL MORTALITY BY RESIDENCE OF MOTHER: UTAH, 1983

RESIDENCE OF MOTHER	TOTAL DEATHS UNDER 1 YEAR OF AGE (EXCLUDING FETAL)	INFANT MORTALITY: 28 DAYS TO UNDER 1 YEAR	NEONATAL MORTALITY: 7-27 DAYS	PERINATAL MORTALITY: 1-6 DAYS	PERINATAL MORTALITY: 1 -24 HOURS	PERINATAL MORTALITY: UNDER 1 HOUR	FETAL DEATHS
TOTAL	344	134	35	49	69	57	270
DISTRICT 1	19	4	1	4	3	7	6
BOX ELDER	3	--	--	1	--	2	2
CACHE	15	3	1	3	3	5	4
RICH	1	1	--	--	--	--	--
DISTRICT 2N	64	22	5	12	12	13	56
DAVIS	33	8	3	7	6	9	26
MORGAN	--	--	--	--	--	--	1
WEBER	31	14	2	5	6	4	29
DISTRICT 2S	153	61	19	19	37	17	114
SALT LAKE	148	57	19	19	36	17	110
TOOELE	5	4	--	--	1	--	4
DISTRICT 3	59	24	3	7	11	14	53
SUMMIT	1	--	--	--	--	1	--
UTAH	57	24	3	6	11	13	49
WASATCH	1	--	--	1	--	--	4
DISTRICT 4	13	6	3	1	1	2	11
JUAB	--	--	--	--	--	--	1
MILLARD	5	1	3	--	1	--	2
PIUTE	1	1	--	--	--	--	--
SANPETE	3	2	--	1	--	--	3
SEVIER	4	2	--	--	--	2	5
WAYNE	--	--	--	--	--	--	--
DISTRICT 5	11	7	1	1	1	1	12
BEAVER	--	--	--	--	--	--	1
GARFIELD	--	--	--	--	--	--	1
IRON	5	4	--	--	--	1	2
KANE	1	--	--	1	--	--	--
WASHINGTON	5	3	1	--	1	--	8
DISTRICT 6	14	5	3	2	3	1	7
DAGGETT	--	--	--	--	--	--	--
DUCHESNE	9	3	2	1	2	1	2
UINTAH	5	2	1	1	1	--	5
DISTRICT 7	11	5	--	3	1	2	11
CARBON	5	3	--	2	--	--	4
EMERY	3	1	--	1	--	1	3
GRAND	--	--	--	--	--	--	2
SAN JUAN	3	1	--	--	1	1	2

TABLE A-37

DEATHS BY RESIDENCE AND MONTH OF OCCURRENCE: UTAH, 1983

RESIDENCE OF DECEDENT	TOTAL DEATHS	MONTH OF OCCURRENCE											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	8,484	726	595	739	689	724	664	737	703	687	748	726	746
DISTRICT 1	512	42	31	54	47	41	29	60	44	28	50	37	49
BOX ELDER	194	18	10	19	18	11	16	22	14	12	21	15	18
CACHE	309	24	21	35	29	29	13	37	29	14	28	22	28
RICH	9	--	--	--	--	1	--	1	1	2	1	--	3
DISTRICT 2N	1,632	141	96	154	130	134	122	125	148	135	152	135	160
DAVIS	609	56	34	63	45	55	55	46	52	50	65	37	51
MORGAN	24	2	--	1	3	2	3	2	--	2	2	4	3
WEBER	999	83	62	90	82	77	64	77	96	83	85	94	106
DISTRICT 2S	3,794	309	278	320	311	327	299	326	319	334	303	338	330
SALT LAKE	3,640	289	266	307	295	310	293	308	308	324	293	324	323
TOOELE	154	20	12	13	16	17	6	18	11	10	10	14	7
DISTRICT 3	1,167	116	90	93	100	98	97	105	73	78	116	107	94
SUMMIT	46	7	3	5	3	7	6	4	1	--	4	3	3
UTAH	1,064	104	80	82	92	87	86	96	68	72	109	101	87
WASATCH	57	5	7	6	5	4	5	5	4	6	3	3	4
DISTRICT 4	412	37	24	36	24	31	34	34	37	40	49	36	30
JUAB	41	4	3	3	3	2	3	2	4	3	4	3	7
MILLARD	89	8	5	8	4	4	4	10	8	10	15	6	7
PIUTE	19	4	--	2	1	1	--	3	1	3	3	1	--
SANPETE	131	10	8	12	9	14	10	7	14	15	14	13	5
SEVIER	120	10	8	11	6	9	14	11	9	8	11	12	11
WAYNE	12	1	--	--	1	1	3	1	1	1	2	1	--
DISTRICT 5	420	33	39	46	33	39	37	43	30	32	28	27	33
BEAVER	46	4	1	5	6	4	4	5	3	4	4	4	2
GARFIELD	23	4	1	1	--	1	1	3	3	5	1	1	2
IRON	90	4	11	8	5	8	15	11	6	2	2	9	9
KANE	28	2	5	4	4	2	3	2	--	2	3	1	--
WASHINGTON	233	19	21	28	18	24	14	22	18	19	18	12	20
DISTRICT 6	205	19	11	9	13	13	17	21	20	24	19	17	22
DAGGETT	3	1		-	--	--	--	--	--	--	1	1	--
DUCHESNE	85	5	5	4	6	3	4	10	11	12	8	6	11
UINTAH	117	13	6	5	7	10	13	11	9	12	10	10	11
DISTRICT 7	342	29	26	27	31	41	29	23	32	16	31	29	28
CARBON	162	16	15	17	15	20	13	10	15	8	10	12	11
EMERY	69	6	2	5	6	4	6	6	8	3	8	6	9
GRAND	47	2	6	1	4	8	5	3	3	2	5	4	4
SAN JUAN	64	5	3	4	6	9	5	4	6	3	8	7	4

TABLE A-38

DEATHS BY RESIDENCE, RACE AND SEX: UTAH, 1983

RESIDENCE OF DECEDENT	TOTAL DEATHS	RACE AND SEX														
		WHITE			BLACK			INDIAN			OTHER RACES			RACE NOT STATED		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	8,484	8,281	4,429	3,852	53	34	19	79	57	22	65	34	31	6	5	1
DISTRICT 1	512	506	262	244	--	--	--	2	2	--	4	2	2	--	--	--
BOX ELDER	194	191	85	106	--	--	--	1	1	--	2	1	1	--	--	--
CACHE	309	306	169	137	--	--	--	1	1	--	2	1	1	--	--	--
RICH	9	9	8	1	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 2N	1,632	1,591	869	722	24	15	9	3	2	1	13	5	8	1	1	--
DAVIS	609	596	318	278	3	3	--	--	--	--	9	4	5	1	1	--
MORGAN	24	24	14	10	--	--	--	--	--	--	--	--	--	--	--	--
WEBER	999	971	537	434	21	12	9	3	2	1	4	1	3	--	--	--
DISTRICT 2S	3,794	3,709	1,928	1,781	26	16	10	14	12	2	42	25	17	3	3	--
SALT LAKE	3,640	3,557	1,836	1,721	26	16	10	12	10	2	42	25	17	3	3	--
TOOELE	154	152	92	60	--	--	--	2	2	--	--	--	--	--	--	--
DISTRICT 3	1,167	1,162	614	548	2	2	--	--	--	--	3	1	2	--	--	--
SUMMIT	46	46	30	16	--	--	--	--	--	--	--	--	--	--	--	--
UTAH	1,064	1,059	557	502	2	2	--	--	--	--	3	1	2	--	--	--
WASATCH	57	57	27	30	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 4	412	408	217	191	--	--	--	3	1	2	1	--	1	--	--	--
JUAB	41	41	21	20	--	--	--	--	--	--	--	--	--	--	--	--
MILLARD	89	88	47	41	--	--	--	--	--	--	1	--	1	--	--	--
PIUTE	19	19	9	10	--	--	--	--	--	--	--	--	--	--	--	--
SANPETE	131	131	66	65	--	--	--	--	--	--	--	--	--	--	--	--
SEVIER	120	118	68	50	--	--	--	2	1	1	--	--	--	--	--	--
WAYNE	12	11	6	5	--	--	--	1	--	1	--	--	--	--	--	--
DISTRICT 5	420	415	248	167	--	--	--	4	2	2	--	--	--	1	--	1
BEAVER	46	45	28	17	--	--	--	1	1	--	--	--	--	--	--	--
GARFIELD	23	22	13	9	--	--	--	1	1	--	--	--	--	--	--	--
IRON	90	89	55	34	--	--	--	1	-	1	--	--	--	--	--	--
KANE	28	28	16	12	--	--	--	--	--	--	--	--	--	--	--	--
WASHINGTON	233	231	136	95	--	--	--	1	--	1	--	--	--	1	--	1
DISTRICT 6	205	183	100	83	--	--	--	21	17	4	--	--	--	1	1	--
DAGGETT	3	3	2	1	--	--	--	--	--	--	--	--	--	--	--	--
DUCHESNE	85	77	45	32	--	--	--	7	4	3	--	--	--	--	--	--
UINTAH	117	103	53	50	--	--	--	14	13	1	--	--	--	1	1	--
DISTRICT 7	342	307	191	116	1	1	--	32	21	11	2	1	1	--	--	--
CARBON	162	160	97	63	1	1	--	--	--	--	1	1	--	--	--	--
EMERY	69	69	49	20	--	--	--	--	--	--	--	--	--	--	--	--
GRAND	47	47	31	16	--	--	--	--	--	--	--	--	--	--	--	--
SAN JUAN	64	31	14	17	--	--	--	32	21	11	1	--	1	--	--	--

TABLE A-39

DEATHS BY AGE, RACE AND SEX, RESIDENTS: UTAH, 1983

AGE OF DECEDENT	TOTAL DEATHS	RACE AND SEX									
		WHITE		BLACK		INDIAN		OTHER RACES		RACE NOT STATED	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL AGES	8,484	4,429	3,852	34	19	57	22	34	31	5	1
UNDER 1 YEAR	344	191	139	2	--	3	1	3	5	--	--
UNDER 1 MONTH	210	109	91	1	--	1	1	3	4	--	--
UNDER 1 WEEK	175	92	74	1	--	1	1	2	4	--	--
UNDER 1 DAY	126	63	54	1	--	1	1	2	4	--	--
UNDER 1 HOUR	57	25	25	1	--	1	1	2	2	--	--
1-4 YEARS	92	53	36	--	--	2	1	--	--	--	--
5-9 YEARS	46	25	19	--	--	--	1	1	--	--	--
10-14 YEARS	42	29	12	1	--	--	--	--	--	--	--
15-19 YEARS	100	60	33	--	--	4	2	1	--	--	--
20-24 YEARS	124	79	34	1	1	7	--	2	--	--	--
25-29 YEARS	151	96	45	2	1	5	--	--	2	--	--
30-34 YEARS	148	87	51	1	--	4	--	3	1	1	--
35-39 YEARS	129	77	44	1	1	4	2	--	--	--	--
40-44 YEARS	166	98	58	3	--	7	--	--	--	--	--
45-49 YEARS	183	107	64	3	--	3	2	1	3	--	--
50-54 YEARS	296	164	122	2	1	5	1	--	1	--	--
55-59 YEARS	414	266	134	2	2	1	1	3	4	1	--
60-64 YEARS	590	358	211	3	4	3	4	4	3	--	--
65-69 YEARS	828	505	308	2	--	2	1	6	2	2	--
70-74 YEARS	955	517	425	4	1	3	1	1	3	--	--
75-79 YEARS	1,131	585	534	2	1	2	1	2	2	1	1
80-84 YEARS	1,105	525	572	2	2	1	2	--	1	--	--
85-89 YEARS	931	362	557	2	--	1	1	5	3	--	--
90-94 YEARS	521	183	328	1	5	--	1	2	1	--	--
95-99 YEARS	158	53	105	--	--	--	--	--	--	--	--
100 YEARS AND OVER	28	7	21	--	--	--	--	--	--	--	--
NOT STATED	2	2	--	--	--	--	--	--	--	--	--

NOTE: THE TOTALS FOR AGE UNDER ONE YEAR ARE CUMULATIVE. UNDER ONE MONTH IS LESS THAN 28 DAYS; UNDER ONE WEEK IS LESS THAN SEVEN DAYS; UNDER ONE DAY IS LESS THAN 24 HOURS. SEX NOT STATED IS INCLUDED IN MALES.

TABLE A-40

DEATHS BY RESIDENCE, AGE AND SEX: UTAH, 1983

RESIDENCE OF DECEDENT	TOTAL DEATHS	MALE	FEMALE	AGE GROUP AND SEX																	
				UNDER 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39	
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
STATE	8,484	4,559	3,925	199	145	55	37	26	20	30	12	65	35	89	35	103	48	96	52	82	47
DISTRICT 1	512	266	246	15	4	--	3	3	2	2	1	3	2	6	1	4	7	3	--	2	1
BOX ELDER	194	87	107	2	1	--	2	2	1	--	--	1	1	3	1	2	--	--	--	1	--
CACHE	309	171	138	12	3	--	1	1	1	2	1	2	1	2	--	2	7	2	--	1	1
RICH	9	8	1	1	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--
DISTRICT 2N	1,632	892	740	33	31	8	5	3	5	7	3	18	6	18	3	21	7	24	15	13	8
DAVIS	609	326	283	17	16	4	2	2	3	5	1	8	3	8	1	9	1	10	8	6	2
MORGAN	24	14	10	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--
WEBER	999	552	447	16	15	4	3	1	2	2	2	9	3	10	2	11	6	14	7	7	6
DISTRICT 2S	3,794	1,904	1,810	89	64	21	16	15	7	12	7	19	14	40	19	48	24	42	29	40	24
SALT LAKE	3,640	1,890	1,750	88	60	21	15	15	7	12	7	17	12	38	17	46	24	40	29	36	23
TOOELE	154	94	60	1	4	--	1	--	--	--	--	2	2	2	2	2	--	2	--	4	1
DISTRICT 3	1,167	617	550	35	24	16	6	3	2	4	--	13	5	9	7	7	5	15	6	12	7
SUMMIT	46	30	16	1	--	1	--	--	--	--	--	--	--	1	--	1	--	2	1	2	--
UTAH	1,064	560	504	33	24	13	6	3	2	4	--	13	4	7	7	6	4	13	3	10	7
WASATCH	57	27	30	1	--	2	--	--	--	--	--	--	1	1	--	--	1	--	2	--	--
DISTRICT 4	412	210	194	5	8	2	1	1	--	2	--	4	--	2	--	1	1	2	1	2	2
JUAB	41	21	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MILLARD	89	47	42	2	3	--	1	1	--	--	--	--	--	1	--	--	--	1	--	1	--
PIUTE	19	9	10	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SANPETE	131	66	65	--	3	--	--	--	--	2	--	--	--	--	--	--	--	--	--	1	--
SEVIER	120	69	51	2	2	2	--	--	--	--	--	4	--	1	--	1	1	1	1	--	2
WAYNE	12	6	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 5	420	250	170	9	2	3	2	1	1	2	--	1	--	4	2	4	1	3	--	5	4
BEAVER	46	29	17	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1
GARFIELD	23	14	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	90	55	35	3	2	--	--	1	--	--	--	--	--	1	1	--	--	--	--	2	1
KANE	28	16	12	1	--	1	1	--	--	--	--	--	--	--	--	--	--	1	--	1	--
WASHINGTON	233	136	97	5	--	1	1	--	1	2	--	1	--	2	1	4	1	2	--	2	2
DISTRICT 6	205	118	87	6	8	1	3	--	1	--	--	4	3	5	3	10	1	5	1	3	1
DAGGETT	3	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DUCHESNE	85	50	35	6	3	--	1	--	--	--	--	--	--	2	1	3	--	2	--	1	1
UINTAH	117	66	51	--	5	1	2	--	1	--	--	4	3	3	2	7	1	3	1	2	--
DISTRICT 7	342	214	128	7	4	4	1	--	2	1	1	3	5	5	--	8	2	2	--	5	--
CARBON	162	99	63	4	1	1	1	--	1	--	1	2	2	--	--	2	2	1	--	1	--
EMERY	69	49	20	2	1	1	--	--	--	--	--	--	--	2	--	3	--	--	--	1	--
GRAND	47	31	16	--	--	1	--	--	--	1	--	--	1	2	--	1	--	--	--	1	--
SAN JUAN	64	35	29	1	2	1	--	--	1	--	--	1	2	1	--	2	--	1	--	2	--

NOTE: SEX UNKNOWN INCLUDED IN MALE

TABLE A-40 Continued

DEATHS BY RESIDENCE, AGE AND SEX: UTAH, 1983

RESIDENT OF DECEDENT	AGE GROUP AND SEX																				NOT STATED	
	40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+			
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
STATE	108	58	114	69	171	125	273	141	368	222	517	311	525	430	592	539	528	577	616	1022	2	--
DISTRICT 1	4	3	5	3	7	13	17	5	16	6	20	19	36	26	39	36	35	40	49	74	--	--
BOX ELDER	--	1	2	1	4	6	8	3	5	1	7	11	13	12	11	17	15	17	11	32	--	--
CACHE	4	2	3	2	3	7	9	2	10	5	11	8	22	14	27	19	20	22	38	42	--	--
RICH	--	--	--	--	--	--	--	--	1	--	2	--	1	--	1	--	--	1	--	--	--	--
DISTRICT 2N	22	14	24	18	45	27	56	31	74	38	114	53	103	83	108	103	91	95	109	195	1	--
MORGAN	--	--	--	--	--	--	1	--	--	1	--	2	--	--	3	1	4	2	4	4	--	--
WEBER	13	9	12	10	28	20	31	18	45	20	82	31	70	44	73	67	53	57	70	125	1	--
DISTRICT 2S	44	26	60	29	78	57	128	57	178	113	244	144	201	188	252	251	229	286	243	455	1	--
SALT LAKE	42	26	56	29	71	56	121	53	163	111	228	137	193	181	244	245	223	279	235	439	1	--
TOOELE	2	--	4	--	7	1	7	4	15	2	16	7	8	7	8	6	6	7	8	16	--	--
DISTRICT 3	11	8	12	8	20	15	35	22	42	27	65	42	79	61	84	86	62	78	93	141	--	--
SUMMIT	--	--	3	--	1	1	5	1	--	--	2	2	2	1	2	3	3	2	4	5	--	--
UTAH	10	8	8	8	18	13	29	21	41	25	59	35	74	58	77	77	57	73	85	129	--	--
WASATCH	1	--	1	--	1	1	1	--	1	2	4	5	3	2	5	6	2	3	4	7	--	--
DISTRICT 4	7	2	4	4	5	1	5	11	16	15	19	17	31	28	38	22	36	25	36	56	--	--
JUAB	--	--	--	1	2	--	1	2	2	--	3	3	7	2	--	1	3	2	3	9	--	--
MILLARD	2	1	--	--	1	--	1	4	2	3	4	2	5	8	8	3	10	6	8	11	--	--
PIUTE	1	--	--	--	--	--	1	--	1	3	--	3	--	1	1	1	1	1	3	1	--	--
SANPETE	3	1	2	--	--	1	1	1	7	3	8	4	8	8	12	11	10	9	12	24	--	--
SEVIER	1	--	2	3	2	--	1	3	4	5	3	3	10	9	17	5	9	7	9	10	--	--
WAYNE	--	--	--	--	--	--	--	1	--	1	1	2	1	--	--	1	3	--	1	1	--	-
DISTRICT 5	6	3	4	2	2	5	12	9	15	11	27	11	33	16	36	18	38	30	45	53	--	--
BEAVER	1	--	1	--	--	1	2	1	--	1	6	2	3	4	3	--	6	5	5	2	--	--
GARFIELD	2	--	--	--	--	1	--	1	--	1	3	--	3	2	4	1	1	1	1	2	--	--
IRON	--	1	1	1	1	1	--	3	3	2	7	2	7	1	7	3	9	6	13	11	--	--
KANE	1	1	--	--	--	--	2	1	1	--	--	1	1	--	3	--	2	6	2	2	--	--
WASHINGTON	2	1	2	1	1	2	8	3	11	7	11	6	19	9	19	14	20	12	24	36	--	--
DISTRICT 6	8	--	2	1	5	2	7	2	6	4	14	10	9	8	8	12	14	9	11	18	--	--
DAGGETT	--	--	--	--	--	--	1	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--
DUCHESNE	5	--	--	1	2	--	4	--	2	3	7	7	5	5	2	2	6	4	3	7	--	--
UINTAH	3	--	2	--	3	2	2	2	3	--	7	3	4	3	6	10	8	5	8	11	--	--
DISTRICT 7	6	2	3	4	9	5	13	4	21	8	14	15	33	20	27	11	23	14	30	30	--	--
CARBON	2	1	3	3	4	3	7	3	11	4	6	6	15	8	13	6	12	6	15	15	--	--
EMERY	1	--	--	--	--	1	2	--	5	1	3	6	7	4	7	--	6	5	9	2	--	--
GRAND	--	--	--	--	2	--	3	1	3	1	2	2	7	4	3	2	2	1	3	4	--	--
SAN JUAN	3	1	--	1	3	1	1	--	2	2	3	1	4	4	4	3	3	2	3	9	--	--

NOTE: SEX UNKNOWN INCLUDED IN MALE

TABLE A-41

SELECTED CAUSES OF DEATHS BY COUNTY OF RESIDENCE: UTAH, 1983

CAUSE OF DEATH, NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES	TOTAL	BEAVER	BOX ELDER	CACHE	CARBON	DAGGETT	DAVIS	DUCHESNE	EMERY	GARFIELD	GRAND	IRON	JUAB	KANE	MILLARD	MORGAN	PIUTE	RICH	SALT LAKE	SAN JUAN	SANPETE	SEVIER	SUMMIT	TOOELE	UINTAH	UTAH	WASATCH	WASHINGTON	WAYNE	WEBER
ALL CAUSES	8,484	46	194	309	162	3	609	85	69	23	47	90	41	28	89	24	19	9	3,640	64	131	120	46	154	117	1,064	57	233	12	999
INFECTIOUS AND PARASITIC DISEASES (001-139)	98	1	1	2	2	—	5	1	—	—	1	—	1	—	—	—	1	—	45	1	1	—	1	1	2	17	—	3	—	12
TUBERCULOSIS (010-018)	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—
REMAINDER OF (001-139)	92	1	1	2	2	—	5	1	—	—	1	—	1	—	—	—	1	—	39	1	1	—	1	1	2	17	—	3	—	12
MALIGNANT NEOPLASMS (140-208)	1,490	11	25	51	32	—	121	14	16	4	7	17	7	5	12	2	2	2	649	9	21	22	8	34	14	176	10	44	2	173
MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (140-149)	17	—	—	2	—	—	1	—	—	—	—	—	—	—	—	—	—	—	11	—	—	—	—	1	—	1	—	1	—	—
MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM (150-159)	369	—	6	15	10	—	28	3	5	1	—	2	4	—	2	2	—	1	166	—	5	4	1	5	4	44	3	12	—	46
MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS (160-165)	260	5	4	5	3	—	26	4	2	2	1	3	—	1	1	—	—	—	121	1	3	3	1	8	3	18	1	8	1	35
MALIGNANT NEOPLASMS OF ALL OTHER AND UNSPECIFIED SITES (170-173,190-199)	245	1	1	12	3	—	23	1	1	—	1	8	2	3	2	—	1	1	97	3	5	7	3	9	4	29	—	7	—	21
MALIGNANT NEOPLASM OF BREAST (174-175)	148	1	4	1	3	—	10	3	2	—	1	1	1	—	1	—	—	—	71	2	2	2	—	1	—	22	1	5	—	14
MALIGNANT NEOPLASM OF GENITAL ORGANS (179-187)	219	2	7	7	4	—	12	1	3	1	3	2	—	1	4	—	1	—	93	1	1	4	3	4	1	28	1	5	1	29
MALIGNANT NEOPLASM OF URINARY ORGANS (188-189)	49	1	2	1	2	—	1	—	—	—	—	1	—	—	—	—	—	—	20	1	3	—	—	—	1	3	1	2	—	10
MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE, EXCLUDING LEUKEMIA (200-203)	97	—	—	5	4	—	12	1	2	—	—	—	—	—	1	—	—	—	36	—	1	—	—	2	—	18	2	3	—	10
LEUKEMIA (204-208)	86	1	1	3	3	—	8	1	1	—	1	—	—	—	1	—	—	—	34	1	1	2	—	4	1	13	1	1	—	8
BENIGN NEOPLASMS, CARCINOMA IN SITU AND NEOPLASMS OF UNCERTAIN AND UNSPECIFIED BEHAVIOR (210-239)	34	1	1	1	—	—	3	—	—	—	—	—	—	—	1	—	—	—	14	—	1	—	—	—	—	6	—	—	—	6
DIABETES MELLITUS (250)	186	—	2	15	5	—	9	1	2	—	2	2	2	1	1	1	—	—	81	3	2	4	—	4	—	24	—	1	—	24
ANEMIAS (280-285)	16	—	1	1	—	—	1	—	—	—	—	1	—	—	1	—	—	—	5	—	—	—	—	2	—	4	—	—	—	—
MENINGITIS (320-322)	14	—	—	—	—	—	2	—	—	—	—	—	—	1	—	—	—	—	4	—	—	1	—	1	—	2	—	—	—	3
MAJOR CARDIOVASCULAR DISEASES (390-448)	3,778	26	94	135	74	3	274	38	31	13	19	47	20	9	37	14	8	4	1,585	23	64	55	18	66	44	496	31	101	7	438
RHEUMATIC FEVER (390-398)	78	—	8	2	2	—	7	2	1	—	—	—	1	—	—	—	—	—	31	1	—	—	—	—	—	12	—	—	—	13
ESSENTIAL HYPERTENSION AND HYPERTENSIVE RENAL DISEASE (401,403)	29	—	1	3	—	—	1	—	1	—	—	—	—	—	1	—	—	—	9	—	1	—	—	3	1	7	—	—	—	1
HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE (402,404)	113	1	2	3	4	—	10	—	—	—	—	2	—	—	2	—	—	—	67	1	4	1	—	—	1	9	—	—	—	6
ISCHAEMIC HEART DISEASE (410-414)	1,786	10	36	60	38	2	133	16	15	7	6	17	12	1	21	7	2	2	719	9	32	23	10	37	19	240	16	46	4	238
ALL OTHER FORMS OF HEART DISEASE (415-423, 425-429)	906	5	23	22	16	—	62	14	9	4	8	18	6	7	6	3	4	2	400	7	17	15	6	15	18	119	4	18	2	76
OTHER DISEASES OF ENDOCARDIUM (424)	36	—	1	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	11	2	—	1	—	4	—	5	—	1	—	7
CEREBROVASCULAR DISEASE (430-438)	634	2	18	41	12	1	47	6	5	2	1	6	1	1	5	2	2	—	269	2	8	12	2	4	3	72	9	28	1	72
ATHEROSCLEROSIS (440)	94	—	1	4	1	—	7	—	—	—	2	3	—	—	1	2	—	—	43	—	1	2	—	1	1	8	1	5	—	11
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	102	—	6	2	1	—	5	—	—	—	2	1	—	—	1	—	—	—	36	1	1	1	—	2	1	24	1	3	—	14
PNEUMONIA AND INFLUENZA (480-487)	249	—	14	8	3	—	10	1	1	—	1	4	1	1	7	1	1	—	93	2	7	6	—	3	4	37	3	6	—	35
PNEUMONIA (480-486)	245	—	12	8	3	—	10	1	1	—	1	3	1	1	7	1	1	—	93	2	7	6	—	3	4	37	3	6	—	34
INFLUENZA (487)	4	—	2	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
BRONCHITIS, EMPHYSEMA, AND ASTHMA (490-493)	90	—	4	2	1	—	9	1	—	—	2	—	2	2	—	—	—	—	47	—	3	—	—	2	—	6	—	2	—	7
BRONCHITIS (490-491)	17	—	—	1	—	—	1	—	—	—	—	—	2	—	—	—	—	—	9	—	—	—	—	—	—	2	—	1	—	1
EMPHYSEMA (492)	44	—	3	—	—	—	7	1	—	—	1	—	—	2	—	—	—	—	23	—	—	—	—	—	—	3	—	1	—	3
ASTHMA (493)	29	—	1	1	1	—	1	—	—	—	1	—	—	—	—	—	—	—	15	—	3	—	—	2	—	1	—	—	—	3
ULCER OF STOMACH AND DUODENUM (531-533)	23	—	—	1	1	—	5	—	1	—	—	—	—	—	—	1	—	—	8	—	—	—	—	—	1	3	—	—	—	2
HERNIA OF ABDOMINAL CAVITY AND INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA (550-553, 560)	35	—	1	—	—	—	2	—	—	1	1	—	1	—	1	—	—	—	9	—	—	2	—	—	—	6	—	3	—	8
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	99	—	2	5	2	—	6	1	1	—	—	—	3	—	1	—	1	—	51	—	1	—	2	—	5	7	—	1	—	10
CHOLELITHIASIS AND OTHER DISORDER OF GALLBLADDER (574-575)	16	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	5	1	—	1	—	—	—	5	—	1	—	2
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (580-589)	78	2	1	3	1	—	9	—	2	—	—	1	—	—	1	—	1	—	29	1	4	1	1	1	2	7	1	1	—	9
INFECTIONS OF KIDNEY (590)	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—	—	1	—	—
CONGENITAL ANOMALIES (740-759)	121	—	1	9	1	—	6	4	1	—	—	1	—	—	2	—	—	—	53	2	—	1	—	2	—	26	1	4	—	7
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)	146	—	3	7	3	—	19	3	2	—	—	—	1	2	—	—	—	—	64	—	1	2	1	1	2	21	1	—	—	13
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS (780-799)	133	1	2	6	1	—	8	4	1	—	—	2	1	—	1	—	—	—	57	2	6	1	1	—	1	16	—	2	—	20
ACCIDENTS (E800-E949)	584	2	8	14	9	—	44	7	4	3	8	6	1	3	8	3	—	2	219	11	3	11	7	8	22	89	4	17	1	70
MOTOR VEHICLE ACCIDENTS (E810-E825)	296	1	4	7	4	—	22	4	3	3	2	3	—	1	5	1	—	1	100	7	1	5	5	6	15	42	3	9	1	41
ALL OTHER ACCIDENTS (E800-E807, E826-E949)	288	1	4	7	5	—	22	3	1	—	6	3	1	2	3	2	—	1	119	4	2	6	2	2	7	47	1	8	—	29
SUICIDE AND SELF-INFLICTED INJURY (E950-E959)	212	1	5	4	6	—	18	1	1	1	—	4	—	1	2	—	1	—	95	—	4	3	3	6	5	18	—	6	—	27
HOMICIDE AND DEATH BY LEGAL INTERVENTION (E960-E978)	61	—	3	1	2	—	3	1	—	—	1	—	—	—	—	—	—	—	31	1	—	—	—	1	2	2	—	2	—	11
ALL OTHER EXTERNAL CAUSES (E980-E999)	42	—	—	2	1	—	3	1	1	—	2	—	—	—	—	—	—	1	21	—	—	1	—	1	1	—	—	1	—	6
RESIDUAL	973	1	26	38	18	—	51	7	5	1	5	3	4	4	10	2	4	—	470	8	13	9	4	21	12	96	6	37	2	116

TABLE A-42

SELECTED CAUSES OF DEATH AND AGE, RESIDENTS: UTAH, 1983

CAUSE OF DEATH, NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES		RATES	AGE: ALL AGES	UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
--	ALL CAUSES	534.4	8,484	344	92	88	224	299	295	479	1,004	1,783	3,874
038	SEPTICEMIA	3.8	60	1	--	--	--	--	--	7	9	16	27
001-037, 039-139	ALL OTHER INFECTIOUS AND PARASITIC DISEASES	2.4	38	5	1	1	2	1	--	1	7	6	14
140-208	MALIGNANT NEOPLASMS	93.9	1,490	4	4	11	18	32	58	131	281	419	532
140-149	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	1.1	17	--	--	-	--	--	3	2	2	2	8
150-159	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM	23.2	369	--	1	--	1	2	9	28	65	116	147
160-165	MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	16.4	260	--	-	--	2	2	5	25	61	84	81
174-175	MALIGNANT NEOPLASMS OF BREAST	9.3	148	--	--	--	--	3	13	19	43	39	31
179-187	MALIGNANT NEOPLASMS OF GENITAL ORGANS	13.8	219	--	--	--	1	1	4	15	31	56	111
188-189	MALIGNANT NEOPLASMS OF URINARY ORGANS	3.1	49	--	--	-	--	1	3	5	7	15	17
170-173,190-199	MALIGNANT NEOPLASMS OF ALL OTHER AND UNSPECIFIED SITES	15.4	245	3	2	7	8	14	10	20	48	60	73
200-203	OTHER MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	6.1	97	--	--	--	2	3	5	9	16	26	36
204-208	LEUKEMIA	5.4	86	1	1	4	4	6	6	7	8	21	28
210-239	BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND OF UNSPECIFIED NATURE	2.1	34	--	1	2	2	1	2	1	3	6	16
250	DIABETES MELLITUS	11.7	186	--	--	--	--	7	6	9	20	52	92
260-269	NUTRITIONAL DEFICIENCIES	0.6	10	--	--	--	--	--	--	--	1	--	9
280-285	ANEMIAS	1.0	16	--	--	--	1	--	--	--	--	1	14
320-322	MENINGITIS	0.9	14	5	3	--	--	--	1	1	4	--	--
390-448	MAJOR CARDIOVASCULAR DISEASES	238.0	3,778	1	1	4	6	21	64	156	421	854	2,249
390-398,402,404-429	DISEASES OF HEART	183.9	2,919	1	1	4	3	20	56	130	363	695	1,645
390-398	RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE	4.9	78	--	--	1	--	1	--	6	15	26	29
402	HYPERTENSIVE HEART DISEASE	6.6	105	--	--	-	-	1	1	6	15	14	68
404	HYPERTENSIVE HEART AND RENAL DISEASE	0.5	8	--	--	-	--	--	--	-	-	2	6
410-414	ISCHEMIC HEART DISEASE	112.5	1,786	-	-	-	--	9	42	79	219	449	988
410	ACUTE MYOCARDIAL INFARCTION	60.7	963	-	--	-	-	2	25	55	150	269	462
411	OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	1.1	17	--	-	-	--	--	1	4	3	7	2
412-414	OLD MYOCARDIAL INFARCTION AND OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	50.8	806	--	--	-	-	7	16	20	66	173	524
424	OTHER DISEASES OF ENDOCARDIUM	2.3	36	-	-	1	1	-	-	3	5	6	20
415-423,425-429	ALL OTHER FORMS OF HEART DISEASE	57.1	906	1	1	2	2	9	13	36	109	198	534
401, 403	HYPERTENSION WITH OR WITHOUT	1.8	29							2	6	10	11

TABLE A-43

DEATHS BY COUNTY OF OCCURRENCE AND LOCATION: UTAH, 1983

COUNTY OF OCCURRENCE	TOTAL DEATHS	HOSPITAL	HOME	ENROUTE	NURSING HOME	CLINIC OFFICE	OTHER LOCATION	NOT STATED
TOTAL	8,834	4,493	2,094	435	1,535	20	256	1
DISTRICT 1	468	165	144	20	123	1	15	—
BOX ELDER	172	48	50	4	63	—	7	—
CACHE	291	117	90	16	60	1	7	—
RICH	5	—	4	—	—	—	1	—
DISTRICT 2N	1,597	749	416	63	339	3	27	—
DAVIS	501	185	158	17	129	3	9	—
MORGAN	14	—	10	—	—	—	4	—
WEBER	1,082	564	248	46	210	—	14	—
DISTRICT 2S	4,379	2,447	957	148	755	7	64	1
SALT LAKE	4,259	2,408	925	117	745	7	56	1
TOOELE	120	39	32	31	10	—	8	—
DISTRICT 3	1,168	627	276	49	174	4	38	—
SUMMIT	30	—	18	1	—	1	10	—
UTAH	1,086	604	243	40	172	3	24	—
WASATCH	52	23	15	8	2	—	4	—
DISTRICT 4	305	123	92	36	28	—	26	—
JUAB	37	15	11	5	1	—	5	—
MILLARD	69	33	21	9	—	—	6	—
PIUTE	7	—	4	—	—	—	3	—
SANPETE	94	43	29	13	4	—	5	—
SEVIER	97	32	27	8	23	—	7	—
WAYNE	1	—	—	1	—	—	—	—
DISTRICT 5	438	189	102	41	64	—	42	—
BEAVER	34	21	6	6	—	—	1	—
GARFIELD	32	15	4	8	—	—	5	—
IRON	90	30	33	5	12	—	10	—
KANE	32	12	5	9	—	—	6	—
WASHINGTON	250	111	54	13	52	—	20	—
DISTRICT 6	165	61	43	21	17	1	22	—
DAGGETT	3	—	—	—	—	—	3	—
DUCHESNE	81	22	21	14	15	—	9	—
UINTAH	81	39	22	7	2	1	10	—
DISTRICT 7	314	132	64	57	35	4	22	—
CARBON	161	94	31	22	11	—	3	—
EMERY	43	—	15	6	15	3	4	—
GRAND	45	19	8	12	—	—	6	—
SAN JUAN	65	19	10	17	9	1	9	—

TABLE A-44

VIOLENT DEATHS BY AGE, SEX AND CAUSE, RESIDENTS: UTAH, 1983

AGE AND SEX	TOTAL VIOLENT DEATHS	ACCIDENTS E800-E949	HOMICIDE E960-E979	SUICIDES E950-E959	UNDETERMINED IF INJURY WAS INFLICTED ACCIDENTALLY OR PURPOSELY E980-E989
TOTAL	899	584	61	212	42
UNDER 15	119	97	16	2	4
MALE	86	68	12	2	4
FEMALE	33	29	4	—	—
15-19	80	60	3	15	2
MALE	56	41	1	12	2
FEMALE	24	19	2	3	—
20-24	94	51	14	25	4
MALE	75	41	9	21	4
FEMALE	19	10	5	4	—
25-34	186	102	14	60	10
MALE	146	80	10	49	7
FEMALE	40	22	4	11	3
35-44	123	67	6	38	12
MALE	93	52	2	30	9
FEMALE	30	15	4	8	3
45-54	87	51	6	27	3
MALE	64	42	2	18	2
FEMALE	23	9	4	9	1
55-64	64	38	1	20	5
MALE	49	25	1	19	4
FEMALE	15	13	—	1	1
65-74	55	42	—	11	2
MALE	38	30	—	6	2
FEMALE	17	12	—	5	—
75-84	61	49	1	11	—
MALE	37	25	1	11	—
FEMALE	24	24	—	—	—
85+	29	27	—	2	—
MALE	18	16	—	2	—
FEMALE	11	11	—	—	—
UNKNOWN	1	—	—	1	—
MALE	1	—	—	1	—
FEMALE	—	—	—	—	—

TABLE A-45

VIOLENT DEATHS BY RESIDENCE AND CAUSE: UTAH, 1983

COUNTY AND DISTRICT OF RESIDENCE	TOTAL VIOLENT DEATHS	ACCIDENTS E800-E949	HOMICIDE E960-E979	SUICIDES E950-E959	UNDETERMINED IF INJURY WAS INFLICTED ACCIDENTALLY OR PURPOSELY E980-E989
TOTAL	899	584	61	212	42
DISTRICT 1	40	24	4	9	3
BOX ELDER	16	8	3	5	--
CACHE	21	14	1	4	2
RICH	3	2	--	--	1
DISTRICT 2N	185	117	14	45	9
DAVIS	68	44	3	18	3
MORGAN	3	3	--	--	--
WEBER	114	70	11	27	6
DISTRICT 2S	382	227	32	101	22
SALT LAKE	366	219	31	95	21
TOOELE	16	8	1	6	1
DISTRICT 3	123	100	2	21	--
SUMMIT	10	7	--	3	--
UTAH	109	89	2	18	--
WASATCH	4	4	--	--	--
DISTRICT 4	35	24	--	10	1
JUAB	1	1	--	--	--
MILLARD	10	8	--	2	--
PIUTE	1	--	--	1	--
SANPETE	7	3	--	4	--
SEVIER	15	11	--	3	1
WAYNE	1	1	--	--	--
DISTRICT 5	47	31	2	13	1
BEAVER	3	2	--	1	--
GARFIELD	4	3	--	1	--
IRON	10	6	--	4	--
KANE	4	3	--	1	--
WASHINGTON	26	17	2	6	1
DISTRICT 6	40	29	3	6	2
DAGGETT	--	--	--	--	--
DUCHESNE	10	7	1	1	1
UINTAH	30	22	2	5	1
DISTRICT 7	47	32	4	7	4
CARBON	18	9	2	6	1
EMERY	6	4	--	1	1
GRAND	11	8	1	--	2
SAN JUAN	12	11	1	--	--

TABLE A-46

VIOLENT DEATHS BY RACE, SEX AND CAUSE, RESIDENTS: UTAH, 1983

RACE AND SEX	TOTAL VIOLENT DEATHS	ACCIDENTS E800-E949	HOMICIDE E960-E979	SUICIDES E950-E959	UNDETERMINED IF INJURY WAS INFLICTED ACCIDENTALLY OR PURPOSELY E980-E989
TOTAL	899	584	61	212	42
WHITE	851	553	58	200	40
MALE	621	394	35	160	32
FEMALE	230	159	23	40	8
BLACK	15	9	1	4	1
MALE	13	7	1	4	1
FEMALE	2	2	--	--	--
INDIAN	25	17	2	5	1
MALE	24	16	2	5	1
FEMALE	1	1	--	--	--
OTHER RACES	8	5	--	3	--
MALE	5	3	--	2	--
FEMALE	3	2	--	1	--

TABLE A-47

ACCIDENTAL DEATH OCCURRENCES BY TYPE OF ACCIDENT AND MONTH OF DEATH: UTAH, 1983

CAUSE OF DEATH, NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASE	TOTAL ACCI-DENTAL DEATHS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	626	53	34	52	50	52	61	53	77	55	50	48	41
RAILWAY (E800-E807)	1	--	--	--	--	--	--	--	--	--	--	--	1
MOTOR VEHICLE (E810-E825)	310	26	16	27	22	19	34	31	31	35	25	26	18
WATER TRANSPORT (E830-E838)	18	--	--	3	--	2	2	4	5	1	--	1	--
AIR AND SPACE TRANSPORT (E840-E845)	37	4	4	7	8	1	4	--	3	3	2	1	--
POISONING (E850-E869)	14	1	--	--	--	3	1	1	2	2	1	1	2
FALLS (E880-E888)	69	4	2	7	6	11	4	3	8	2	8	6	8
FIRE AND FLAMES (E890-E899)	13	5	3	--	--	--	--	3	1	--	--	1	--
NATURE AND ENVIRONMENT (E900-E909)	18	--	3	2	3	--	1	--	4	2	--	1	2
DROWNING AND SUBMERSION (E910)	48	2	2	2	2	7	7	6	10	5	2	2	1
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OR SUFFOCATION (E911)	8	--	--	2	3	--	--	--	--	--	1	1	1
INHALATION AND INGESTION OF OTHER OBJECTS CAUSING OBSTRUCTION OR SUFFOCATION (E912)	2	--	--	--	--	--	1	--	--	--	--	--	1
MECHANICAL SUFFOCATON (E913)	8	--	1	--	--	2	--	--	--	1	1	2	1
HIT BY OBJECT (E916-E918)	11	1	--	--	2	1	--	--	2	1	1	1	2
FIREARM MISSILES (E922)	6	2	--	--	1	--	--	--	1	--	2	--	--
EXPLOSIVE MATERIALS (E923)	6	5	--	--	--	--	--	--	--	--	--	--	1
ELECTRIC CURRENT (E925)	10	--	--	--	--	--	4	--	5	--	1	--	--
MACHINERY (E919)	16	2	--	--	1	3	1	2	1	1	2	2	1
OTHER AND UNSPECIFIED MISADVENTURES DURING MEDICAL CARE (E870-E876)	6	--	--	--	--	--	--	1	--	--	2	1	2
LATE EFFECTS OF ACCIDENTAL INJURY (E929)	2	--	--	1	--	--	--	--	1	--	--	--	--
OTHER	23	1	3	1	2	3	2	2	3	2	2	2	--

TABLE A-48

ACCIDENTAL DEATH OCCURRENCES BY AGE, SEX AND TYPE OF ACCIDENT: UTAH, 1983

AGE AND SEX OF DECEDENTS	TOTAL ACCIDENTAL DEATHS	RAILWAY E800 E807	MOTOR VEHICLE E810 E825	WATER TRANS E830 E838	AIR & SPACE TRANS E840 E845	POISON E850 E869	SURG. MEDICAL E870 E876	FALL E880 E888	FIRE E890 E899	NATURE & ENVIRONMENTAL E900 E909	DROWNING E910	INHALATION OF FOOD E911	INHALATION OTHER OBJECT E912	MECHANICAL SUFFOCATION E913	HIT BY OBJECT E916 E918	MACHINERY E919	GUNS E922	EXPLOSIVES E923	ELECTRIC CURRENT E925	LATE EFFECTS E929	OTHER
TOTAL	626	1	310	18	37	14	6	69	13	18	48	8	2	8	11	16	6	6	10	2	23
UNDER 15	101	--	43	--	--	--	1	6	4	3	26	1	--	6	2	3	1	--	3	--	2
MALE	69	--	27	--	--	--	--	5	1	3	20	--	--	4	2	3	--	--	3	--	1
FEMALE	32	--	16	--	--	--	1	1	3	--	6	1	--	2	--	--	1	--	--	--	1
15-19	72	--	53	3	1	2	--	2	--	3	3	--	--	--	--	2	1	--	1	--	1
MALE	48	--	32	2	--	2	--	2	--	3	2	--	--	--	--	2	1	--	1	--	1
FEMALE	24	--	21	1	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
20-24	51	--	35	3	3	1	--	1	--	2	1	--	--	--	--	2	1	1	--	--	1
MALE	41	--	27	3	3	--	--	--	--	2	1	--	--	--	--	2	1	1	--	--	1
FEMALE	10	--	8	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
25-34	107	--	56	3	13	--	1	3	5	1	8	--	--	--	2	5	1	3	2	1	3
MALE	86	--	40	3	12	--	--	3	3	1	8	--	--	--	2	5	1	3	2	--	3
FEMALE	21	--	16	--	1	--	1	--	2	--	--	--	--	--	--	--	--	--	--	1	--
35-44	64	1	33	5	6	1	--	4	1	2	1	--	--	2	2	1	1	--	3	--	1
MALE	48	1	24	3	6	1	--	1	1	2	1	--	--	2	2	1	1	--	2	--	--
FEMALE	16	--	9	2	--	--	--	3	--	--	--	--	--	--	--	--	--	--	1	--	1
45-54	58	--	17	3	10	4	--	9	1	--	4	1	2	--	3	2	--	--	1	--	1
MALE	46	--	12	2	7	3	--	8	1	--	4	1	1	--	3	2	--	--	1	--	1
FEMALE	12	--	5	1	3	1	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--
55-64	44	--	25	1	2	--	--	5	--	2	1	1	--	--	2	1	--	1	--	1	2
MALE	29	--	13	1	2	--	--	3	--	2	1	--	--	--	2	1	--	1	--	1	2
FEMALE	15	--	12	--	--	--	--	2	--	--	--	1	--	--	--	--	--	--	--	--	--
65-OVER	129	--	48	--	2	6	4	39	2	5	4	5	--	--	--	--	1	1	--	--	12
MALE	79	--	31	--	2	4	2	17	1	4	3	3	--	--	--	--	1	1	--	--	10
FEMALE	50	--	17	--	--	2	2	22	1	1	1	2	--	--	--	--	--	--	--	--	--

TECHNICAL APPENDIX

Vital Statistics Registration in Utah

Centralized vital statistics registration for the State of Utah was first established by act of the Utah Legislature in 1905. The latest revision of the law is found in the 1953 Session Laws, Sections 26-15-9 to 26-15-10 as follows:

> The State Division of Health shall have and exercise the following power and duties in addition to all other powers and duties imposed on it by laws:
>
> a. Provide suitable offices properly equipped for the preservation of all records made or received under the provision of this act;
> b. Install a state-wide system of vital statistics;
> c. Prescribe forms for the collection, compilation, publication, and preservation of vital statistics;
> d. Enforce this act and its regulations made pursuant thereto;
> e. Appoint a Director of Vital Statistics;
> f. Divide the State from time to time into registration districts which will conform to political subdivisions or a combination thereof, or parts thereof;
> g. Appoint local registration officers for such registration districts as are established by the division. Such local registration officers, under the direction and supervision of the division, shall perform all duties required of them by this act and the regulation of the board.

Under Utah statutes, full-time health officers of local health departments become ex officio local registrars and are responsible for the registration of certificates for all births and deaths that occur within their respective jurisdictions. Four of the 29 counties (Salt Lake, Utah, Weber, and Davis), and four multi-county districts--Southeastern (Carbon, Emery, Grand, and San Juan Counties), Bear River (Box Elder, Cache, and Rich Counties), Southwestern (Beaver, Garfield, Iron, Kane, and Washington Counties), and Central (Juab, Millard, Piute, Sanpete, Sevier, and Wayne Counties) maintain full-time local registrars. The local registrars within the remaining seven counties are appointed by the State and usually perform their duties on a part-time basis, and in many cases simultaneously assume other positions within their community. The map of the State of Utah (Figure C-1) indicates the location of the local registrars within each of the 29

counties. Presently, there are 16 local registrars and 14 deputy local registrars in the State.

Source of Data

Vital statistics certificates filed with the State Bureau of Health Statistics are the primary source of data presented within this report. These records include certificate of live birth, death, and fetal death. Source data for population estimates are provide by the United States Bureau of the Census.

Certificate Revision

The Utah certificates of live birth, death, and fetal death have been revised periodically; the most recent revisions occurring in 1982 for births, 1981 for deaths, and 1978 for fetal deaths. In October 1983 a minor addition was made to the death certificate. A space for the Medical Examiner case number was included in item 22. These certificates were adopted by the State Board of Health and distributed to the local registrars for use in registering all such events occurring in 1983 (Figure C-2, C-3, and C-4). The new certificates include all of the items on the recommended national "Standard Certificates," with some modifications and additions to meet particular needs in Utah.

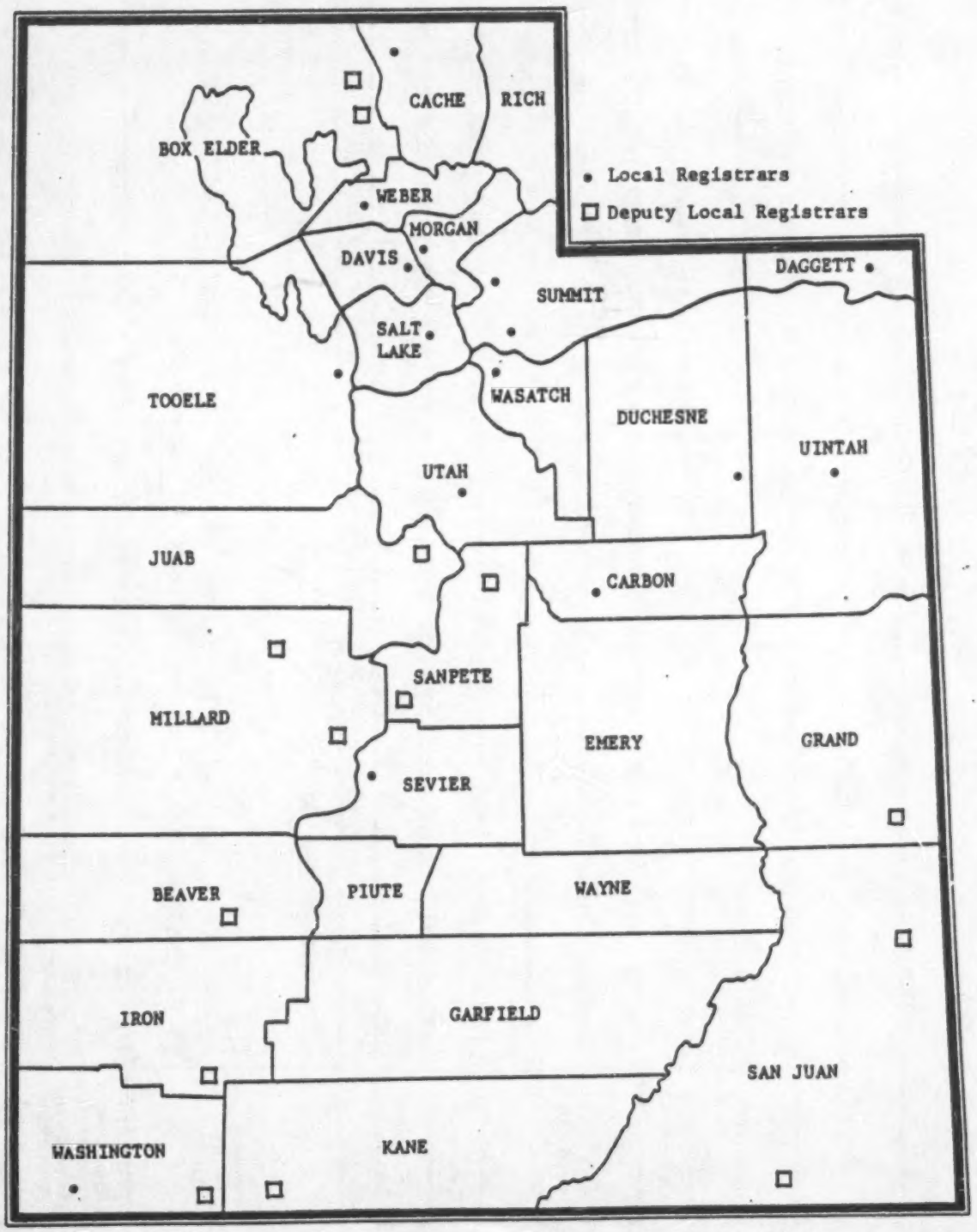
Quality and Limitation of Data

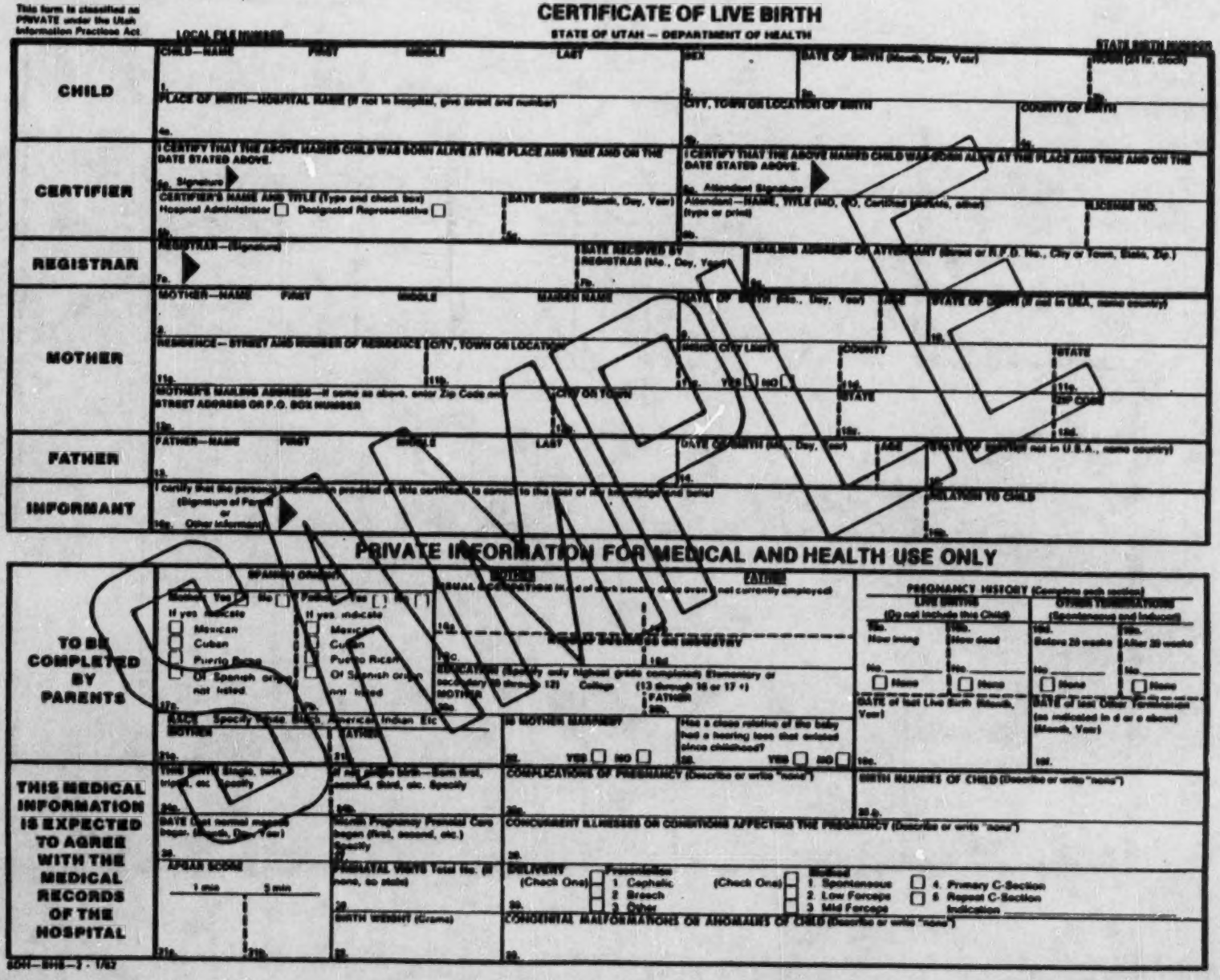
Limitations of the data must be recognized before valid interpretation is possible. For vital statistics data, these limitations are related to the difficulties in reporting and classifying information, and to some under-registration of events. It is necessary to exercise particular caution when evaluating vital statistics trend data, since medical concepts, code definitions, and method of assigning causes of death have changed over the years.

The completeness of registration for births was last tested at the state level in conjunction with the 1950 U.S. Census of the population and was found to be 98.7 percent complete at that time. At the present time, more than 99 percent of all Utah births occur in hospitals. This fact, coupled with information from sample studies, indicates that the completeness of birth certificate registration now exceeds 99 percent.

FIGURE C-1

LOCATION OF LOCAL REGISTRARS OF VITAL STATISTICS: UTAH, 1983





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CERTIFICATE OF LIVE BIRTH

STATE OF UTAH — DEPARTMENT OF HEALTH

LOCAL FILE NUMBER

STATE BIRTH NUMBER

CHILD

CERTIFIER

REGISTRAR

MOTHER

FATHER

INFORMANT

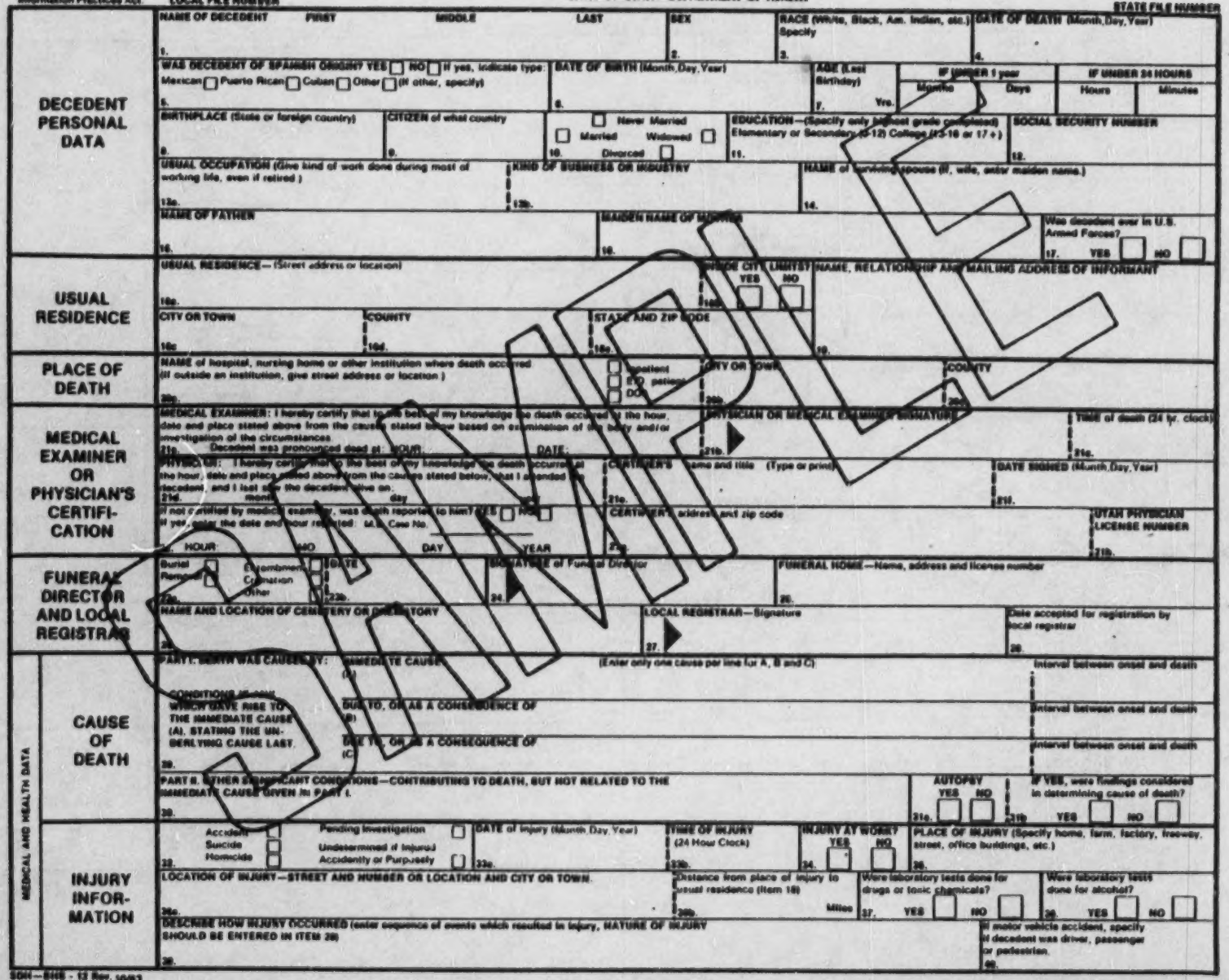
PRIVATE INFORMATION FOR MEDICAL AND HEALTH USE ONLY

TO BE COMPLETED BY PARENTS

THIS MEDICAL INFORMATION IS EXPECTED TO AGREE WITH THE MEDICAL RECORDS OF THE HOSPITAL

SDH—BHS—3 - 1/82

FIGURE C-2



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CERTIFICATE OF DEATH

STATE OF UTAH - DEPARTMENT OF HEALTH

LOCAL FILE NUMBER

STATE FILE NUMBER

DECEDENT PERSONAL DATA

1. NAME OF DECEDENT — FIRST — MIDDLE — LAST
2. SEX
3. RACE (White, Black, Am. Indian, etc.) Specify
4. DATE OF DEATH (Month, Day, Year)
5. WAS DECEDENT OF SPANISH ORIGIN? YES ☐ NO ☐ If yes, indicate type: Mexican ☐ Puerto Rican ☐ Cuban ☐ Other ☐ (If other, specify)
6. DATE OF BIRTH (Month, Day, Year)
7. AGE (Last Birthday) Yrs. — IF UNDER 1 year: Months, Days — IF UNDER 24 HOURS: Hours, Minutes
8. BIRTHPLACE (State or foreign country)
9. CITIZEN of what country
10. ☐ Never Married ☐ Married ☐ Widowed ☐ Divorced
11. EDUCATION—(Specify only highest grade completed) Elementary or Secondary (0-12) College (1-3-16 or 17+)
12. SOCIAL SECURITY NUMBER
13a. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired)
13b. KIND OF BUSINESS OR INDUSTRY
14. NAME of surviving spouse (if wife, enter maiden name.)
15. NAME OF FATHER
16. MAIDEN NAME OF MOTHER
17. Was decedent ever in U.S. Armed Forces? YES ☐ NO ☐

USUAL RESIDENCE

18a. USUAL RESIDENCE—(Street address or location)
18b. INSIDE CITY LIMITS? YES ☐ NO ☐
19. NAME, RELATIONSHIP AND MAILING ADDRESS OF INFORMANT
18c. CITY OR TOWN
18d. COUNTY
18e. STATE AND ZIP CODE

PLACE OF DEATH

20a. NAME of hospital, nursing home or other institution where death occurred (If outside an institution, give street address or location) ☐ Inpatient ☐ ER/OP patient ☐ DOA
20b. CITY OR TOWN
20c. COUNTY

MEDICAL EXAMINER OR PHYSICIAN'S CERTIFICATION

21a. MEDICAL EXAMINER: I hereby certify that to the best of my knowledge the death occurred at the hour, date and place stated above from the causes stated below based on examination of the body and/or investigation of the circumstances. Decedent was pronounced dead at HOUR: DATE:
21b. PHYSICIAN OR MEDICAL EXAMINER SIGNATURE
21c. TIME of death (24 hr. clock)
21d. PHYSICIAN: I hereby certify that to the best of my knowledge the death occurred at the hour, date and place stated above from the causes stated below; that I attended the decedent, and I last saw the decedent alive on. month day
21e. CERTIFIER'S name and title (Type or print)
21f. DATE SIGNED (Month, Day, Year)
If not certified by medical examiner, was death reported to him? YES ☐ NO ☐ If yes, enter the date and hour reported: M.E. Case No.
21g. CERTIFIER'S address and zip code
21h. UTAH PHYSICIAN LICENSE NUMBER
HOUR: AM PM DAY YEAR

FUNERAL DIRECTOR AND LOCAL REGISTRAR

22a. Burial ☐ Removal ☐ Entombment ☐ Cremation ☐ Other ☐
22b. DATE
24. SIGNATURE of Funeral Director
25. FUNERAL HOME—Name, address and license number
26. NAME AND LOCATION OF CEMETERY OR CREMATORY
27. LOCAL REGISTRAR—Signature
28. Date accepted for registration by local registrar

MEDICAL AND HEALTH DATA

CAUSE OF DEATH

29. PART I. DEATH WAS CAUSED BY: IMMEDIATE CAUSE (A) — (Enter only one cause per line for A, B and C) — Interval between onset and death
CONDITIONS IF ANY, WHICH GAVE RISE TO THE IMMEDIATE CAUSE (A), STATING THE UNDERLYING CAUSE LAST.
DUE TO, OR AS A CONSEQUENCE OF (B) — Interval between onset and death
DUE TO, OR AS A CONSEQUENCE OF (C) — Interval between onset and death
30. PART II. OTHER SIGNIFICANT CONDITIONS—CONTRIBUTING TO DEATH, BUT NOT RELATED TO THE IMMEDIATE CAUSE GIVEN IN PART I.
31a. AUTOPSY YES ☐ NO ☐
31b. IF YES, were findings considered in determining cause of death? YES ☐ NO ☐

INJURY INFORMATION

32. Accident ☐ Suicide ☐ Homicide ☐ Pending investigation ☐ Undetermined if injury ☐ Accidental or Purposely ☐
33a. DATE of injury (Month, Day, Year)
33b. TIME OF INJURY (24 Hour Clock)
34. INJURY AT WORK? YES ☐ NO ☐
35. PLACE OF INJURY (Specify home, farm, factory, freeway, street, office buildings, etc.)
36a. LOCATION OF INJURY—STREET AND NUMBER OR LOCATION AND CITY OR TOWN.
36b. Distance from place of injury to usual residence (Item 18) Miles
37. Were laboratory tests done for drugs or toxic chemicals? YES ☐ NO ☐
38. Were laboratory tests done for alcohol? YES ☐ NO ☐
39. DESCRIBE HOW INJURY OCCURRED (enter sequence of events which resulted in injury, NATURE OF INJURY SHOULD BE ENTERED IN ITEM 29)
40. If motor vehicle accident, specify if decedent was driver, passenger or pedestrian.

SDH—BHE - 12 Rev. 10/83

FIGURE C-3

This item is classified as PRIVATE under the Utah Information Practices Act.

FETAL DEATH CERTIFICATE

STATE OF UTAH—DIVISION OF HEALTH

LOCAL FILE NUMBER _____ TYPE OR PRINT — USE BLACK INK _____ STATE FILE NUMBER

DELIVERY AND FETUS INFORMATION

1a. NAME — of Hospital where delivery occurred (If not in hospital, give street and number)

1b. CITY, TOWN OR LOCATION OF DELIVERY

1c. COUNTY OF DELIVERY

2. SEX OF FETUS

3. WEIGHT OF FETUS

4a. This Delivery - Single, twin, triplet, etc. (Specify)

4b. If not single - Delivered first, second, third, etc. (Specify)

5a. DATE OF DELIVERY (Mo., Day, Yr.)

5b. HOUR OF DELIVERY 24 hr. clock

PARENT'S INFORMATION

6. MOTHER—Maiden Name First Middle Last

7. DATE OF BIRTH (Mo., Day, Yr.) AGE

8a. RESIDENCE—STATE

8b. COUNTY

8c. CITY, TOWN OR LOCATION

8d. STREET ADDRESS & ZIP CODE

8e. INSIDE CITY LIMITS? Yes ☐ No ☐

PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this delivery)

8f. Now Living

8g. Now dead

8h. ___ ___ None ☐ None ☐

OTHER TERMINATIONS (Spontaneous and Induced)

8i. Before 20 wks.

8j. After 20 wks.

8k. ___ ___ None ☐ None ☐

9. RACE—(e.g., White, Black, Am. Indian, etc.) Specify MOTHER FATHER

9a. SPANISH ORIGIN?

Mother: Yes ☐ No ☐ If yes, indicate ☐ Mexican ☐ Cuban ☐ Puerto Rican ☐ Other, Specify

9b. Father: Yes ☐ No ☐ If yes, indicate ☐ Mexican ☐ Cuban ☐ Puerto Rican ☐ Other, Specify

10. EDUCATION (Specify only highest grade completed) Elementary or secondary (0-12) - College (13-16 or 17+)

10a. MOTHER:

10b. FATHER:

11. Usual occupation (Kind of work usually done, even if not currently employed) (Specify)

11a. MOTHER:

11b. FATHER:

12. DATE of last Live Birth (Mo., Yr.)

12a.

13. DATE last normal menses began (Mo., Day, Yr.)

14. Month of Pregnancy Prenatal Care began (First, second, etc.) Specify

15. PRENATAL VISITS Total No. (If none, write "0")

16. IS MOTHER MARRIED? Yes ☐ No ☐

17. FATHER—Name First Middle Last

18. DATE OF BIRTH (Mo., Day, Yr.) AGE

CAUSE OF FETAL DEATH

19. Fetal or maternal conditions directly causing fetal death

I. IMMEDIATE CAUSE (Enter only one cause per line for a, b, and c)

Specify Fetal or Maternal

Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last.

II. DUE TO, or AS A CONSEQUENCE OF:

Specify Fetal or Maternal

DUE TO, or AS A CONSEQUENCE OF:

Specify Fetal or Maternal

20. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: Conditions contributing to fetal death but not resulting in the sequence in (a)

21. FETUS DIED - Before labor, during labor or delivery, Unknown (Specify)

22. PHYSICIAN'S ESTIMATE OF GESTATION WEEKS

23. AUTOPSY (Specify yes or no)

24. COMPLICATIONS OF PREGNANCY (Describe or write "none")

25. METHOD OF DELIVERY (Check all applicable boxes)

☐ Spontaneous/Vaginal ☐ Cesarean Section ☐ Emergency ☐ Repeat

☐ Mid Forceps (If Cesarean, was it?) ☐ Elective ☐ Primary

26. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")

27. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none")

I certify that the fetus identified above was delivered at the place and time and on the date stated above and did not show evidence of life, and to the best of my knowledge died from the causes stated

28. Attendant's Signature ▶

29. Attendant—NAME, TITLE (MD, DO, Certified Midwife, Other) AND LICENSE NO (Type or Print)

DISPOSITION OF FETUS

30. BURIAL, CREMATION, OR REMOVAL (Specify)

31. CEMETERY OR CREMATORY—Name

32. LOCATION (City, town, state)

33. DATE (Mo., Day, Year)

34. FUNERAL HOME—Name, address & license no. (Street or R.F.D. No., City or Town, State, Zip Code)

35. FUNERAL DIRECTOR—Name

36. REGISTRAR—Signature ▶

37. DATE received by local registrar (Mo., Day, Yr.)

SAMPLE

USS-SUH-DHS 10 Rev 1/78

FIGURE C-4

The registration of fetal deaths of more than 20 weeks gestation is required by statute. Since May 1981 the institution where the delivery occurs has had the responsibility for filing a fetal death certificate if the delivery results in a fetal death. Fetal death certificates are to be registered by the fifth day after the delivery and before disposition of the remains. Most deliveries, 99 percent, occur in hospitals and women who miscarry unexpectedly at 20 weeks or more are usually taken to a hospital if they are not already there. Funeral directors are responsible for checking that a fetal death certificate has been filed for all such dispositions they handle.

Limitation of Small Numbers

All statistics are subject to chance variation. Such random variation in a large number of events has little effect on the data for the group, however, random variation in a small number of events may result in a startling change in the data for the group. For example, minor differences in the number of births or deaths in small populations or in the number of deaths from uncommon causes may result in large changes in these rates. Rates for areas of small population or for events with few occurrences should be interpreted with this limitation in mind.

Cause of Death

Cause of death statistics are derived from the medical certification information required by law, to be reported on the death or fetal death certificate by the attending physician or medical examiner. The medical certification item on certificate of death and fetal death has provision for reporting three causes of death--immediate, intervening, and underlying, plus additional information related to the cause of death. The cause of death selected for coding and tabulating mortality statistics is the "underlying cause of death," which is generally defined as the diseases or injury which initiate the sequence of morbid events leading directly to death.

Occasionally, death certificates are registered with the cause of death information incomplete, inconsistent, or equivocal, and additional information from the certifier is not available. In such causes, selection and modification rules are used to select the underlying cause of death for statistical purposes. Selection and modification rules which adapt the coding procedures to reporting practices in the United States are published by the

Public Health Service, National Center for Heath Statistics, in annual editions of the Vital Statistics Instructional Manual. From January 1, 1968 through December 31, 1978, the Eighth Revision International Classification of Diseases was used in classifying the underlying case of death on Utah death certificates. Starting January 1, 1979, the Ninth Revision of the International Classification of Diseases has been used to code the underlying cause of death in Utah. Comparability ratios between revision have been computed by the National Center for Health Statistics[1] and have been published in the Utah Vital Statistics, Annual Report: 1980. Comparability ratios for some cause of death codes are extremely high and utmost caution should be taken in interpreting any cause of death trends that span the Eighth and Ninth Revisions of the International Classification of Disease.

Geographic Bases

Birth and death data are presented by place of occurrence of the event or by place of unusual residence of the individual. For deaths, "place of residence" is defined as the usual residence of the decedent. For births, "place of residence" for the child is defined as the usual residence of the mother.

Reallocation of birth and death certificates to the state of residence has been virtually complete on a nationwide basis since 1955. This is made possible by a cooperative program among the state for exchange of copies of certificates of non-resident events for statistical purposes only.

It is considered to be meaningful for some purposes to tabulate accidental deaths by place of occurrence rather than by place of residence. Statistical tabulations of accidental deaths "by place of occurrence" refer to the place where the death occurred, and not the place where the accident occurred. A hypothetical example may help to clarify the above explanation. Assume that a resident of Denver, Colorado is involved in a motor vehicle accident in Wendover, Nevada and requires emergency aid of a special nature.

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[1]"Estimates of Selected Comparability Ratios Based on Dual Going of 1976 Death Certificates by the Eighth and Ninth Revisions of the International Classification of Diseases," Monthly Vital Statistics Report, National Center for Health Statistics, DHEW Publication NI. (PHS) 80-1120, Vol. 28, No. 11, Supplement, February 29, 1980, Hyattsville, Md., pp. 12-13.

The closest available facility is the Tooele Valley Hospital in Tooele, Utah. After arriving at the hospital, the patient succumbs to conditions arising from the accident. In such cases the "place of occurrence" of the death for statistical purposes would be Tooele, Utah, not Wendover, Nevada.